

Annual report of the Executive Department of the City of ...

Boston (Mass.).
Executive Dept

583
8
B6A4
1895, Pt. 1

Library of



Princeton University.

C. E. V.





ANNUAL REPORT

OF THE

EXECUTIVE DEPARTMENT

OF THE

CITY OF BOSTON,

FOR THE YEAR 1895.

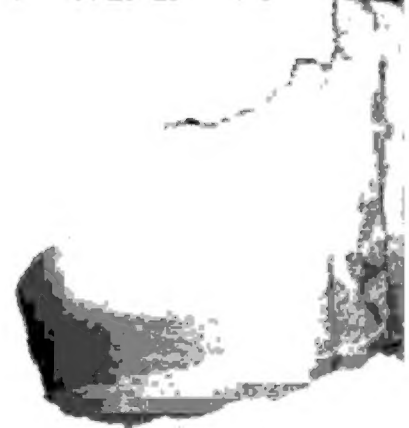
PART I.



BOSTON :

ROCKWELL AND CHURCHILL, CITY PRINTERS.

1896.



CONTENTS. — PART I.

	Doc.
<u>ADDRESS OF MAYOR; INAUGURAL</u>	<u>1</u>
<u>ASSESSING DEPARTMENT</u>	<u>2</u>
<u>AUDITING DEPARTMENT</u>	<u>3</u>
<u>BUILDING DEPARTMENT</u>	<u>4</u>
<u>CITY CLERK DEPARTMENT</u>	<u>5</u>
<u>CITY MESSENGER DEPARTMENT</u>	<u>6</u>
<u>CLERK OF COMMITTEES DEPARTMENT</u>	<u>7</u>
<u>COLLECTING DEPARTMENT</u>	<u>8</u>
<u>ELECTION DEPARTMENT</u>	<u>9</u>
<u>ENGINEERING DEPARTMENT</u>	<u>10</u>
<u>FIRE DEPARTMENT</u>	<u>11</u>
<u>HEALTH DEPARTMENT</u>	<u>12</u>
<u>HOSPITAL DEPARTMENT</u>	<u>13</u>
<u>INSTITUTIONS DEPARTMENT</u>	<u>14</u>
<u>INSPECTION OF VESSELS AND BALLAST DEPARTMENT,</u>	<u>15</u>
<u>LAMP DEPARTMENT</u>	<u>16</u>

7583
 .8
 B6A4
 1895, pt. 1
 729989

INAUGURAL ADDRESS

OF

J O S I A H Q U I N C Y,

MAYOR OF BOSTON,

TO

THE CITY COUNCIL,

JANUARY 6, 1896.

[DOCUMENT 1 — 1896.]

CITY OF BOSTON.

IN BOARD OF ALDERMEN,

January 6, 1896.

Ordered, That His Honor the Mayor be requested to furnish the City Council with a copy of his Inaugural Address, for publication.

Passed. Sent down for concurrence.

IN COMMON COUNCIL, January 6, 1896.

Concurred.

A true copy.

Attest :

JOHN T. PRIEST,

Assistant City Clerk.

ADDRESS.

Gentlemen of the City Council:

Assuming the office of Mayor without previous experience in connection with the municipal government of Boston, and without any intimate knowledge of the workings of the administrative machinery of the city, I shall only undertake in making my inaugural address to deal with some subjects of general interest, about which I have definite views.

Entertaining a deep appreciation of the important and responsible duties devolving on the Mayor under the present city charter, and of the honor conferred by the citizens of Boston upon the man whom they select to exercise this important public trust, it will be my endeavor to perform these duties with care and firmness. It is a high privilege for any man to be the chief public servant of half a million people, and to have the opportunity of public usefulness which accompanies the powers pertaining to such service. Having, possibly, a greater reason, even if it be sentimental,

than any other citizen of Boston for appreciating the honor of succeeding the long line of distinguished men who have occupied the office which I assume to-day, I have every incentive to endeavor to win an honorable place among them.

Our citizens have the right to expect that the extension of the term of the Mayor to two years will result in greater independence in the exercise of his powers. In a two-year term of office a Mayor can make a sufficient public record to enable him to retire with credit, without standing for reëlection, and he may therefore fairly be expected to perform his duties with less reference to a reëlection than has heretofore been possible.

COÖPERATION WITH THE MAYOR.

It will be my desire to promote, by every means within my power, the interest of the citizens at large in their municipal government, and to invite their coöperation, in every practicable manner, in its administration and in the consideration of municipal problems. The numerous organizations among our people, formed for various purposes, ought to play an important part in the work of keeping the citizen in touch with the city government, and arousing him to a sense of his vital interest in its work. It will be my purpose to welcome the coöperation of all organizations, of whatever

character or membership, which are prepared to approach municipal questions in a public spirit.

In some foreign countries organizations of wage-earners take a constant, active, and intelligent interest in municipal questions, and some of their members occupy important positions and render useful services in connection with city governments. It seems to me that similar coöperation may well be encouraged, to a greater extent than it has been in the past, in our American municipalities, and I shall endeavor to promote this object. The wage-earners of the community furnish a large proportion of the scholars in our public schools, and should take a more active interest in their management, and I trust that the candidacy of a representative of this large class of our citizens for the School Committee at the recent election indicates a movement in this direction.

While the views of any individual citizens or organizations can only be given such weight as they may be entitled to upon their merits, due regard being given to the intelligence which they express, I shall deem it my duty as Mayor of the city to give as much consideration and attention to any well-considered views or plans presented by organizations of wage-earners as to those presented by any other body of citizens.

MERCHANTS' MUNICIPAL COMMITTEE.

In accepting the nomination for the office of Mayor, I expressed the opinion that the most important and pressing questions which now concern the citizens of Boston relate to the further development of the city as a centre of productive industry, — of foreign commerce, domestic trade, and local manufacturing and mechanical production, — and that the attempt to secure a correct understanding of problems of such complexity and magnitude, and to take practical municipal action to meet them, called for the coöperation of our most broad-minded and successful business men. I further stated my purpose to invite the important business organizations of the city to choose a joint representative committee, whose advice and counsel should be available to the Mayor, and, through him, to the City Council, the Legislature, and the public, on business questions generally, and especially those relating to commerce, transportation, manufactures, and taxation.

In pursuance of the plan thus suggested, and with the object of establishing a strong and permanent connecting link between the city government and the leading business organizations of the city, I have already addressed communications to the Associated Board of Trade, the Boston Chamber of Commerce, the Boston Clearing House

Association, the Boston Merchants' Association, the New England Shoe and Leather Association, and the Real Estate Exchange, inviting these bodies to appoint delegates to a committee of seven members, which I propose to designate as the Merchants' Municipal Committee.

I have selected these organizations after consultation with representative business men, believing that each of them is of such a character as to entitle it to representation upon such a committee, and that, taken in the aggregate, they represent the organized business men of the city. A small committee of seven members has been fixed upon in the belief that it will prove a more efficient working organization than a larger body. While the Committee may report directly upon questions of minor importance, it is contemplated that questions of more general interest will be submitted to the organizations represented in its membership, so that, when any proposition submitted has been considered by such organizations and favorably acted upon by them, it will have the strength of the business men of Boston behind it. I have already received sufficient informal assurances of coöperation on the part of the officers of nearly all of the above-named organizations to make me feel confident that the Committee will be organized, on substantially the representative

basis above outlined, at an early date. The business for the consideration of this Committee will be submitted to it from time to time in official communications from the Mayor. I shall at once ask its consideration of the subject of the proposed constitutional limitation of the indebtedness of cities, and also of the subject of securing such changes in the tax system of the Commonwealth as are necessary for promoting the industrial development of the city of Boston. While it will only be within my power to give to this Committee a semi-official standing, by calling upon it to advise the Mayor in the exercise of certain broad functions of his office, chiefly pertaining to new legislation and outside of his routine executive duties, I trust that its value as an auxiliary to the regular machinery of the city government may be recognized by the City Council and by the Legislature.

Whatever may be thought of any plan looking to the closer union of the adjacent towns and cities with the city of Boston for certain common purposes, it will generally be conceded that those who have their business interests in Boston, while residing in its suburbs, have the same interest as our own citizens in everything that pertains to the business development and industrial expansion of the city, and that in the consideration of such questions we can enlist their interest with profit to ourselves. As member-

ship in the above-mentioned organizations is based upon a business connection with the city of Boston, and not upon residence within its limits, the Committee will act as a direct means of giving our non-resident business men an influence in the consideration of broad municipal questions.

TAXATION.

While our system of taxation is fixed by State legislation, the city of Boston should exert its influence in every proper way to secure such amendments to the tax laws as will bring them more into harmony with the needs of a large commercial centre, brought into daily competition with cities in which taxation is levied in a manner far less burdensome to business enterprise.

The Governor of the Commonwealth, in his recent inaugural address, has recognized the evils of our present tax system, and has forcibly pointed out its injurious influence upon the industrial development of the State. "Our laws," he says, "seem to bear oppressively on our business and industrial enterprises, which should be especially fostered and encouraged as the source from which most of our citizens derive their livelihood." He further points out that "experience has shown that there is no force more potent in bringing industrial development than wise and liberal laws of taxation." These words

have a very direct and important application to the city of Boston, and in such application I desire to give them my hearty endorsement. The city government of Boston and the representatives of the city in the Legislature can in no way more effectively promote the development of the trade and the manufacturing and mechanical industries of Boston than by using every endeavor to secure more liberal tax laws, and thereby enable our people to meet the competition of their commercial and industrial rivals in other States. As soon as the Merchants' Municipal Committee, above referred to, is organized, I shall invite it to take up the subject of securing such needed changes in our tax laws, and I trust that the influence of the Governor of the Commonwealth, of the Speaker of the House of Representatives,—who, in reassuming that position, expressed views similar to those of the Governor,—of the Mayor of the city of Boston, and of the business organizations of the city, supplemented, as I trust may be the case, by the City Council, may be effectively united upon some practical and comprehensive plan, which will secure general support.

While I shall be ready to coöperate in any movement which may tend to mitigate the evils caused by our present unscientific and defective system, I desire to express my personal conviction that in order to accomplish any far-reaching

benefits, false theories of taxation must be absolutely abandoned. I believe that a large majority of the business men of Boston are now ready to support a movement to place upon real estate all taxes other than those levied upon the franchises of quasi-public corporations, and upon the estates of deceased persons, and that the real-estate interests would support the same policy. Taxation levied upon real estate distributes itself through the community at least as equitably as it can be distributed under any system, while it has the great advantages of perfect simplicity, impossibility of evasion, and absolute freedom for business development.

The wage-earners, who constitute such a large majority of our population, have every interest in favoring a system which would result in greatly stimulating enterprise, and enlarging the field for the profitable employment of labor in this city. That such a system of taxation is best adapted to the wants of a community such as ours is not only supported by theoretical reasoning, but demonstrated by the practical experience of such great commercial and industrial cities as New York and Philadelphia. The importance of the object is so great, that, if the union of the necessary forces can be effected, even the necessity of securing an amendment to the Constitution should not be

allowed to stand in the way of making the effort. Such a movement should be based, not upon an effort to protect some of our citizens from double taxation, but simply upon the broad ground that a system of taxation laying the burden only upon property which cannot move away will prove a benefit to all classes in the community, give an absolutely free field for business expansion, and, most of all, help those who are dependent for their livelihood upon commercial, mechanical, and other industrial development.

RAILROAD PROBLEMS.

The recent acquirement by the New York, New Haven, & Hartford Railroad Company, lessee of the Old Colony and Boston & Providence railroad systems, of the control of the New England Railroad, brings up for immediate consideration the pressing question of the readjustment of freight and passenger terminals on the south side of the city. The business interests of Boston, in my opinion, would be as greatly benefited by some such union of terminals and concentration of freight and passenger business on the part of the four railroads entering the city on the south side, as by that which has already taken place, with such beneficial results, on the part of the railroads entering the city from the north side. It is of great importance, and

entirely practicable, that the freight business of the three above-named railroads, now under a common management, should, at an early date, be concentrated at a single point, easily accessible from the business section of the city, and with ample room for terminal facilities, not only for the present but for the future.

The present freight yards of the New England Railroad Company at South Boston seem to me to fulfil these requirements better than any other available locality, and I believe that it would be of great advantage to our commercial interests to have the freight which is now always crowded, and often delayed, at the present freight stations of the Old Colony and Boston & Providence Railroads, handled at the South Boston terminals.

Such a transfer of freight business would considerably relieve the congestion of the crowded streets through which the trucking to and from these stations is now mainly conducted. Plans have already been made for the track connections necessary to bring about this result. But in the opinion of the management of these railroads it is necessary, in order to enable this concentration of freight at the South Boston yards to be carried out, that present grade crossings over the tracks of the New England Railroad at South Boston should be abolished, and that future grade crossings over these

tracks should be prohibited by law. If the New England Railroad Company uses the Old Colony station, or a new union station, the tracks and terminals west of A street can be discontinued, and there will be only two existing grade crossings to abolish, namely, those on Congress street and on West First street. Aside from its connection with the freight terminals already mentioned, the abolition of the grade crossing on Congress street, and the completion of this street, or of a new street parallel to it, as a thoroughfare for travel, would be a great benefit to a large section of South Boston by reducing its transit distance from the business centre. If the abolition of this grade crossing will make it possible to realize the great advantages of securing a concentration of the freight business above-mentioned at South Boston, in addition to its other advantages above referred to, I should be decidedly in favor of it, if the work can be done at a reasonable expense to the city. I also believe that the city should give its assent to such proper legislation as might be found necessary to protect these terminals from having streets laid out at any future time to cross them at grade.

While a transfer of the freight business from the Old Colony and Providence stations would afford much needed relief to the present congestion of passenger business at both of these terminals, a new

union passenger station, for the use of at least the Old Colony and New England Railroads, is a necessity of the immediate future.

I believe that in accordance with the findings of the Rapid Transit Commission of 1891 it will ultimately be found desirable to concentrate all of the passenger traffic upon the south side of the city in one union station, to be located upon or near the sites of the present Old Colony and Boston & Albany stations on Kneeland street. It seems to me worthy of serious consideration whether it will not be advisable for the city government to take advantage of the present new conditions of railroad management by endeavoring to secure, if possible, the passage of compulsory legislation to effect this great improvement. The magnitude of the interests involved, and the need of action upon a comprehensive plan, may be appreciated from the fact that 584 trains a day now pass in or out of the four passenger stations on the south side of the city, carrying 80,000 people on an average, while on the north side of the city there are only 540 trains a day entering or leaving the Union station which has already been provided.

Most of the grade crossings within the city limits have already been abolished. The early abolition of the grade crossing on Dorchester avenue over the Old Colony Railroad tracks is very desirable, and I

shall press action on the part of the city to attain this object as soon as possible. The management of this railroad is desirous of carrying out this important improvement upon any plan which seems to it to be practicable and not to involve unreasonable expense. The plans thus far prepared have not proved mutually satisfactory to the city and to the railroad company, but I trust that some plan may shortly be perfected and agreed upon which may enable this work to be carried out by voluntary coöperation between them. The grade crossings in the Charlestown district are in a fair way of being soon discontinued, and I am informed that the railroads are working vigorously to that end in harmony with the officials of the city. I am in cordial sympathy with the earnest desire of the citizens of this district that these grade crossings be speedily removed, and I shall endeavor to accomplish this object as soon as possible, so far as the action of the city government can be instrumental in effecting it. The question of securing the abolition of grade crossings in the East Boston district is more difficult, but the recent action of the Board of Aldermen in petitioning therefor has led to an energetic attempt to solve the problem, and if the citizens of this district can agree upon a proper plan I shall be glad to give it my active support. The remaining grade crossings on the

lines of the Old Colony and the New England Railroads should be discontinued as rapidly as financial considerations will permit, and the recent union of management between the New England and the New York, New Haven, & Hartford Railroads should facilitate the accomplishment of this desirable result.

ELECTION OF ALDERMEN.

The problem of devising a better system for the election of aldermen, and securing its adoption by the Legislature, is one which should receive our earnest attention. Within recent years we have tried successively election by districts, election at large by plurality vote, and the present system of election at large by restricted vote, insuring minority representation. I believe that in the general opinion of our citizens, and certainly in my own, the present system is decidedly the worst of the three, owing to the fact that it makes a nomination by either of the two leading political parties absolutely insure an election so far as five out of the seven candidates whom it has been customary to nominate are concerned.

If the minority representation feature of the present law is to be maintained, I think that some advantage at least would be gained by requiring any political party which placed a ticket

in the field to nominate a full ticket of twelve candidates. I doubt, however, whether the present system would produce results satisfactory to the citizens generally, or to the members of either of the leading political parties, even with this amendment. I believe that we should either return to the system of election at large by simple plurality vote, thus securing at least the benefits of undivided party responsibility, or else make at least a trial of some system of proportional representation. While much can be said for the latter system from the standpoint of political theory, I think it decidedly questionable whether it would work satisfactorily in practice, and whether it would not result in establishing the representation of classes, and in substituting for a somewhat coherent majority, — upon which some responsibility for the enactment of necessary municipal legislation can be placed, — a number of small groups or individuals, representing so many constituencies, of such a varying character, that it would be extremely difficult to secure harmony of action or proper responsibility for legislation. Proportional representation might also open the door for even more log-rolling and trading than takes place under the present system, and increase the friction between the executive and legislative branches of the city government. But whether it is better to return to the simple

plurality system, or to try the experiment of proportional representation, it seems to me that it would be advisable to elect the members of the board for a term of at least two years, half of their number going out of office each year. We should thus reduce the excessive number of candidates, which now tends to the confusion of the voter and prevents due weight from being given to the qualifications of individual candidates.

FINANCES.

The total appropriations for the current expenses of the city for the fiscal year ending January 31, 1896, amounted to \$14,013,043. The actual current expenditures of the city to January 1, 1896, plus the additional expenditures through January 31, 1896, as estimated by the City Auditor, amount to the sum of \$14,326,544, making an estimated excess of expenditures over appropriations for the year 1895-96 of \$313,501; this amount the City Auditor estimates will be provided by the surplus income of the city in excess of the estimates of general revenue upon which the annual appropriation order for the current fiscal year was based. The total department estimates for current expenditures for the fiscal year beginning February 1, 1896, as received by the City Auditor, amount to the sum of \$15,449,260, or an excess of \$1,436,217 over

the appropriations for the current fiscal year, and an excess of \$1,122,716 over the actual and estimated current expenditures for this year. Among these estimated increases over the expenditures of the present fiscal year are the following:

Police	\$261,196
Lamps	206,648
Schools	156,472
Elections	116,356
Hospital	81,725
Institutions	25,500

Or a total of \$847,897

in these six departments alone.

I have not included in these estimates the sum of \$440,000 requested by the School Committee for the purpose of providing proper sanitary and ventilating appliances, fire-escapes, etc., in existing school-houses, as I believe that this sum, or such portion of it as may be found to be necessary, may properly be provided by loan.

To meet these demands for increased appropriations, the increase in the resources of the city from the proceeds of the \$9 tax, as limited by law, amounts, according to the figures of the City Auditor, to only \$232,000. According to the estimates of the general revenue of the city made up by the City

Auditor, it seems probable that this will not exceed the general revenue for the current fiscal year, while it may fall below it. The problem which will therefore confront the city government in making the appropriations for the fiscal year 1896-97 will be that of reducing the above-mentioned additional demands upon the city treasury for \$1,122,716, to the sum of about \$232,000.

It must be borne in mind that even then no provision is made for any excess of expenditures over appropriations, while such excess will amount during the present fiscal year, as above stated, to \$313,501, and past experience shows that it is extremely difficult, if not impossible, to avoid some excess of expenditures over appropriations. In fact, there is some reason to believe that even the above statement represents the financial position of the city in too favorable a light. It is obvious from this brief and general statement that there must be rigid economy in the current expenditures of the city, and that the Mayor and the City Council, in making up the annual appropriation order, will have an unusually difficult task before them.

While I shall not undertake at the present time to anticipate the specific recommendations with regard to appropriations for the coming fiscal year which I shall later transmit to the City Council, I think it proper at the present time to call your attention to

one question in connection with the largest increase requested by any department, namely, that for the Board of Police, which it seems to me should receive the early and earnest consideration of the City Council.

It will be noticed that the increased appropriation requested for this department, amounting to \$261,196, considerably more than exhausts the total estimated increase in the net income of the city available for current expenditures for the coming fiscal year, and represents an increase of 18 per cent. over the appropriations for this department for the current fiscal year. While it is true that a comparatively small part of this increase is attributable to the transfer of the park police to this department, it represents, in my opinion, an unwarrantable addition to the expenses of a single department in one year, when considered from the standpoint of the general financial position of the city.

In dealing with the estimate of the Police Department, the City Council may find itself seriously embarrassed by the provision of chapter 323 of the Acts of 1895, which gives this board the unique power of issuing its requisitions upon the city treasury, without reference to the appropriations made by the City Council. While I desire to avoid raising an issue at the present time over the question of the justice or advisability of the system of State control of the

Police Department which has been established for this city, but on the contrary am disposed to recognize the existence of that system as an accepted fact which under present conditions there is no possibility of changing, it seems to me necessary that the city government of Boston should ask the Legislature to restrict in some manner the above-mentioned authority of the Board of Police, and at least to limit to some reasonable percentage, corresponding with the growth of the financial resources of the city, the right of this board to increase from year to year its requisitions upon the city treasury.

While I shall try to come to some understanding with this board in regard to the increase requested by them, and to induce them to recognize the fact that the state of the finances of the city prohibits such a large increase in any one department, it must nevertheless be recognized that, by adhering to its estimate, this board has the power under the present law to cause great embarrassment to the city treasury during the coming year, and to render impossible urgently demanded increases of expenditure in other departments of the city government.

The existence of authority of this character is entirely inconsistent with the idea of placing upon the Mayor, as intended by the city charter, the entire responsibility for regulating the general finances of

the city, and keeping its expenditures within the limit prescribed by the State laws, without injurious curtailment of the work of any department. I recommend that the City Council petition the Legislature for such a reasonable amendment of the above-mentioned provision of law as, while not inconsistent with the general purposes of the act establishing the Board of Police, will serve to afford proper and necessary protection to the city treasury.

In this connection I think it proper to call attention to the fact that \$140,000 of the estimated increase in the Lamp Department, and \$100,000 of the estimated increase in the Elections Department, are called for in compliance with laws passed by the last Legislature, requiring respectively the insulation of poles upon which electric-light wires are carried, and a new registration of the voters of the city. It seems to me somewhat of a hardship that the city government should be embarrassed in its efforts to live within the tax limit by legislation, of at least doubtful necessity, which places upon it such a considerable additional burden without providing any additional resources out of which it may be met.

According to the statement of the Sinking-Funds Commissioners, the estimated amount which the city will be able to borrow during the present municipal

year within the debt limit is \$1,968,245. This sum is in addition to the sum of \$500,000, which the School Committee was authorized, by chapter 408 of the Acts of 1895, to borrow during the present year within the debt limit, which is classed in the City Auditor's statement as a loan authorized but not negotiated. This sum should, in my opinion, be ample to provide for all the additional loans, not already authorized by law, which it is necessary or desirable that the city should incur during the coming year, unless possibly for some new undertaking which is expected to be self-supporting, or for the purpose of completing some work to which the city is already committed and which has been insufficiently provided for by loans outside the debt limit.

PUBLIC INSTITUTIONS.

One of the most important duties of the city administration is to secure the proper management of the numerous and important public institutions under its charge. Such management should be progressive, humane, and scientific, and, at the same time, as economical as possible, in view of the heavy financial burden which the support of these institutions imposes on the community. Fortunately experience proves that true economy is consistent with scientific humanity. It should constantly be kept in mind that the main object of every public

institution, whether charitable or penal, should be the improvement of its inmates, morally, mentally, and physically, in order that as large a proportion of them as possible may be returned to the community at large better fitted to meet the conditions of life. Even in penal institutions the idea that reformation and not punishment is the object should be constantly borne in mind.

The public institutions of the city naturally divide themselves into two great classes, — penal and charitable. Charitable institutions are further subdivided into almshouses and lunatic hospitals. Institutions for children may also be regarded as a class by themselves. The one most important principle pertaining to the management of public institutions, now generally accepted, is the scientific classification of inmates. The ideal would be to deal with each individual inmate, adapting the treatment to the needs of his particular case. While this ideal is not at present possible of attainment, it can at least be approached by such classification as will group together, in sufficiently small bodies, those who require about the same methods of treatment.

After giving considerable thought to the subject, and getting the views of many persons who have given close study to the subject for years, I believe that this principle can best be applied to the public institutions of the city by separating the lunatic

hospitals and the almshouses, — and possibly, also, the institutions for children not of a reformatory character, — from the penal and reformatory institutions, and placing the former under two, or three, separate boards of unpaid trustees, thus adopting a system which has been found to secure the best results in the public institutions of the State. I would not advocate, however, removing the penal institutions from the control of the single Commissioner of Public Institutions. While I do not desire to pass any judgment upon the administration of the present Commissioner of Public Institutions without larger knowledge of his work, to depreciate any improvement which may have been effected in these institutions, or to discourage any efforts to secure additional improvement under the present administrative machinery, I shall still deem it my duty to coöperate in any well-considered plan to secure legislation for effecting the above-mentioned separation of institutions into two or more classes.

The pressing necessity for the construction of a new building for the House of Correction of Suffolk county is generally admitted, and I shall join in an endeavor to secure the necessary legislation for this purpose. I am heartily in sympathy with the idea that in connection with the erection of a new building, the House of Correction should be

given largely the character of a reformatory, rather than that of a purely correctional institution, and any future legislation should embody this view.

BUILDING OPERATIONS.

The subject of the building operations of the city is one which calls for immediate action by the Mayor. Under the provisions of the act of last year revising the city charter, the office of City Architect was abolished, and now when a new building is to be erected the head of that department of the city government for whose use it is intended selects the architect, and has charge of the construction; the selection of the architect and the adoption of plans is, however, made subject to the approval of the Mayor. Understanding that it was the intention of the Legislature to make this required approval not merely a formal administrative act, but an effective check upon the building operations of the city, and to place upon the Mayor the final responsibility of seeing that municipal architecture and construction is of a proper character and intrusted to proper hands, I shall endeavor to use this power for the accomplishment of these objects. A proper performance of the duty of approving plans requires the Mayor to have at his command expert professional advice, and it seems to me that this can best be provided by

engaging the services of some architect of recognized qualification, to be the regular professional adviser of the Mayor in all matters pertaining to building operations, and to be paid out of the contingent fund of the Mayor's office, or out of the appropriations for the various buildings. I shall accordingly designate such a consulting architect as soon as possible.

After an architect has been selected, and plans have been prepared, the responsibility for the making of the building contract and for the actual erection of the building rests, under the act above mentioned and other laws, upon the head of the department for the use of which the building is intended; and this means, under our charter, that the final responsibility rests upon the Mayor. The act further provides (in section 22 of chapter 449 of the Acts of 1895) that "any building not for the use of any department shall be built by such of the heads of departments or other officers appointed by the Mayor as the Mayor shall from time to time determine."

I am advised by the Corporation Counsel that the School Committee is not a "department" within the meaning of this provision, and that the actual building of new school-houses, including the making of the contracts therefor, therefore comes, not under the School Committee, but under such head of a

department or other officer appointed by the Mayor as he may designate for the purpose. According to this construction, the specific provisions of chapter 408 of the Acts of 1885, giving the School Committee full charge of the building operations relating to schools, are modified by the provision of the subsequent act revising the city charter above referred to. I shall deem it my duty to exercise this power, and to designate a suitable officer to make future contracts for school buildings, as well as to see that the contracts already made for the school buildings now being erected are properly carried out.

SCHOOL SANITATION.

The subject of proper sanitary and ventilating arrangements in our public schools is one of great interest to large numbers of our citizens and of pressing public importance. While it seems to me unlikely that such a large sum as \$440,000, requested by the School Committee for the purpose, is required at the present time to make proper provisions of this character in our present school buildings, and to conform to the requirements of State legislation, I believe that whatever expenditure may be found necessary for this purpose should be promptly provided for by means of a loan, — a part of which, it seems to me, may well be taken out of the \$500,000 allowed to the School Committee,

within the debt limit, for the erection of new school-houses during the present year, by securing such an amendment of chapter 408 of the Acts of 1895 as may be necessary for that purpose.

Whatever may be the necessity for the erection of new school-houses, I believe that the proper sanitary and ventilating arrangements in school-houses, now attended by such large numbers of pupils, is a matter of yet greater necessity, and should be first provided for. As this matter may involve such a large expense, it seems to me that the money therefor should not be appropriated merely upon the request of the School Committee, but that an independent enquiry should be made by the city government, through persons having technical knowledge and professional experience. I, therefore, propose to cause an immediate and thorough examination to be made by experts into the present condition of the school-houses, and a report to be made by them thereon, and upon the proper methods of ventilation and sanitation, with the probable cost of their adoption. Such an investigation seems to be a necessity in order to enable those responsible for the general finances of the city to act intelligently upon the matter. When such a report has been made, I shall, as before stated, coöperate in every way in my power with the School Committee in an endeavor to secure the speedy appropriation of the

necessary money, and its application in a manner which will prove effectual in supplying the present deficiencies.

THE SUBWAY.

The work of the Boston Transit Commission is progressing satisfactorily and as rapidly as practicable. Whatever differences of opinion may exist among our citizens as to the superiority of the subway plan over others that have been proposed at various times, as a means of relieving the congestion of travel in the down-town district of the city, or as to the justification for the large expenditure which the subway calls for, I believe that under the direction of the present members of the Transit Commission this work is being planned with great care and intelligence, and that there is every reason to expect that whatever advantages it is possible to secure under this plan will be fully attained. It is gratifying to learn that the commission expects to have a portion of the subway now under construction in use as far as Park street by next fall.

There is every reason to believe that it will be possible for the Transit Commission, under the authority granted to it, to make such a contract for the use of the subway as will prevent the interest and sinking-fund requirements of the loans incurred for its construction from being any burden upon the general finances of the city.

I trust that this question will be treated by the commission in a comprehensive manner, with a recognition of the fact that a contract with the West End Street Railway Company, giving it a fixed right to the use of the subway for a term of years, has an important practical bearing upon its rights in the streets. I am in hearty sympathy with the recommendation of the Governor in his recent inaugural, that cities and towns should be given authority to make contracts with street railway companies for the use of their streets; and I believe that the contract between the Transit Commission and this company for the use of the subway should either be of such a comprehensive nature that it will be acceptable to the city government, as establishing the basis of general contract relations between the city and this company, or else should be entered into contemporaneously with, and as a part of, a comprehensive contract between the city and this company, covering all of its locations and other rights.

The work of the Transit Commission in entering upon the construction of a new bridge to Charlestown has been unavoidably delayed through a variety of causes. It was found necessary to abandon the idea of a drawless bridge. After the passage of the law authorizing the widening of

Charlestown street, near the close of the last legislative session, and in harmony with such law, the Transit Commission fixed the location for the new bridge, on the 30th of July last, just westerly of the present Charles-river bridge, so that Charlestown street, when widened, will be a direct approach to the bridge. After the preparation of the necessary plans, the license of the Harbor and Land Commissioners to build the bridge was granted at the end of the month of November, and the necessary approval of the Secretary of War was granted a month later. All necessary legal authority having now been obtained, the work of constructing this important improvement is in a position to be proceeded with as fast as possible.

THE STRANDWAY.

The city has already incurred an expense of over \$350,000 for the purchase of land for the projected Strandway from the Marine park, South Boston, to Dorchester bay. The delay on the part of the city in beginning the construction of this important improvement has afforded, in my opinion, reasonable ground for disappointment and dissatisfaction on the part of the people of South Boston generally, and particularly of those who own land adjacent to the proposed Strandway, which cannot be developed or properly utilized

while the shore land taken by the Park Commission is allowed to remain in its original condition.

The last city government provided a loan of \$100,000 inside the debt limit for beginning work upon the Strandway. The Park Commissioners propose to begin construction at a point adjacent to the promenade pier and to continue it along the shore in a westerly direction from this point. I am informed by the Park Commissioners that an additional sum of \$200,000 will complete the Strandway (except the final surface finishing, which cannot be done until the land has been allowed to settle for at least a year) as far as I street, thus affording nearly a mile of completed beach front. The Commissioners state that this sum is all which they can profitably expend during the coming year, and as this will go so far toward completing the Strandway as a local improvement, leaving only the important matter of connecting it with Dorchester to be subsequently provided for, I believe that the provision of this sum out of loans within the debt limit is all that is necessary for the present year, and I shall recommend such an appropriation.

Anticipating the completion of this connection, it seems to me that some legislation should be secured which will provide for the filling of the

flats which will be left inside of the line of the projected parkway from the point where it leaves the South Boston shore line to the point where it joins the Dorchester shore. The expense of constructing this parkway would be greatly diminished if the filling could be done in conjunction with the owners of these flats.

PUBLIC BATHS.

The maintaining of public baths, open all the year, seems to me to be a project for encouraging social and sanitary improvement by municipal action which promises large returns for a comparatively small expenditure, and I am of opinion that the experiment of establishing such a public bath in a suitable locality should be tried. I shall recommend such an appropriation, to be provided for by loan.

BOARD OF ELECTIONS.

The establishment of a Board of Elections, and the vesting in this board of all of the powers and duties relating to caucuses and elections formerly divided among the City Clerk, the Registrars of Voters, the Superintendent of Public Buildings, the Ballot Law Commission, and the Board of Aldermen, has resulted in greater simplicity of machinery, and more responsible and effective administration. It is the opinion of the

present members of the board that, upon a fair comparison of expenses, the present system will also show greater economy.

In this connection I desire to suggest that, as the regulation of caucuses by law has already been carried so far in this city, it is worthy of serious consideration whether the policy should not be further extended to its logical end: this would place party caucuses, both as to the appointment and payment of their officers, and as to the laws regulating the holding of caucuses, upon the same footing as elections. A considerable expense is now involved in the partial regulation of caucuses now in operation, and there seems to be much force in the argument that it would be wise to incur the additional expense necessary to make the regulation complete and effectual.

ADMINISTRATIVE IMPROVEMENT.

The considerable changes which have been effected during the last five years, by the action both of the State Legislature and of the City Council, in the organization, and in the powers and duties, of the executive branch of the city government, seem to me to make the duty of securing the most effective possible administration of more present importance than that of securing further organic changes. Progress toward the best possible munic-

ipal government cannot always be best promoted by further changes in the scheme of administration. There is a limit to organic improvements. The city charter of Boston in its present form probably corresponds more nearly to the administrative principles generally accepted by those who have given the most careful thought and study to the problem of American municipal government than the charter of any other large city in the country. While there must always be a broad field for minor improvements in municipal machinery, the main principles which have been worked out and practically applied to the executive government of this city during the past ten years are generally recognized as sound and correct. The most important work of the immediate future is, therefore, that of securing efficient, honest, and economical administration under the existing provisions of the laws and ordinances, which at least make the attainment of this object more possible than it has been in the past. In the performance of this important duty, it will be my purpose not only to maintain, but to advance, the existing standard of capacity and efficiency among the officials and employés of the executive branch of the government. The citizens of Boston are entitled to a full and adequate return for the salaries and wages — more liberal, in many instances, than those given

by private employers for similar services — paid to their municipal servants, and I shall try to see that such return is received.

While experience does not yet warrant the belief that it is possible in American municipal governments to obtain as large a return for money expended as is secured by private individuals and corporations, it will nevertheless be my constant endeavor to make such return as large as possible. So far as the purchase of supplies is concerned, the city ought to realize as favorable results as private corporations making purchases of the same magnitude and character.

In making appointments to office, I shall make every effort to secure higher qualifications for the service of the city.

Gentlemen of the City Council: I trust that our official relations during the coming year may be pleasant and satisfactory. In the discharge of the important duties intrusted to us by our fellow-citizens, may we be strengthened and supported by a constant sense of the Divine guidance.

ANNUAL REPORT
OF THE
ASSESSING DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 2 — 1896.]

ASSESSORS' OFFICE, CITY HALL,

BOSTON, MASS., January 31, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In accordance with the requirements of the ordinance now in force, the Board of Assessors respectfully submit the following report:

The ward lines existing previous to the new division in April, 1895, were continued, for the purposes of assessing the taxes of this year, by the provisions of Chapter 220 of the Acts of 1895. Consequently the assessment districts remained unchanged.

The twenty-five wards of the city are divided into forty districts; ten of them into two, one into three, and one into four districts. Thirteen wards are not divided. The several assessment districts and the wards of which they are a part, together with the names of the first and second assistant assessors assigned to each of said districts, are shown in an appendix at the end of this report.

TAX WARRANTS.

Warrants for the assessments of taxes in the city of Boston for the financial year commencing February 1, 1895, were received by the Board of Assessors as follows:

A State warrant for the proportion of the city of Boston of a State tax of \$1,500,000, as fixed by Chapter 495, Acts of 1895 .	\$538,920 00
A State warrant for a tax to be paid to the Commonwealth for Boston armories, as fixed by Chapter 384, Acts of 1888 .	¹ 28,056 27
<i>Amount carried forward,</i>	<u>\$566,976 27</u>

¹ The warrant states that of this amount \$10,056.27 are needed to meet the requirements of the sinking-fund, and \$18,000 for interest account.

<i>Amount brought forward,</i>	\$566,976 27
A State warrant for a tax to be paid to the Commonwealth for the proportion of the city of Boston of the expense of "building, maintenance, and operation of a system of sewage disposal for the Mystic and Charles river valleys," as determined by Chapter 439, Acts of 1889, and other acts relating thereto	¹ 59,700 19
A State warrant for a tax to be paid to the Commonwealth for the abolition of grade crossings, in accordance with the provisions of Chapter 428, Acts of 1890, as amended by Section 1 of Chapter 283, Acts of 1893, and Chapter 545, Acts of 1895, and other acts relating thereto	² 25,811 94
A County warrant for the tax of Suffolk County for county purposes [see Section 47, Chapter 11, P.S.]	924,725 00
A City warrant for the tax of the city of Boston for city purposes [see Section 47, Chapter 11, P.S.]	10,489,653 00
Aggregate of warrants committed to Board of Assessors	\$12,066,868 40

¹ The warrant states that of this amount \$7,371.69 are needed to meet the requirements of the sinking-fund, and \$34,897.50 for interest, and \$17,433 is for the cost of maintenance and operation.

² The warrant states the amount of assessments and of interest to be as follows:

For grade crossing at West Fourth street, assessment	\$13,222 61
Interest	1,196 74
For grade crossing at Codman street, assessment	1,596 14
Interest	107 82
For grade crossing at Chelsea bridge and Chelsea-bridge avenue, assessment	4,973 08
Interest	409 45
For grade crossing at Tremont street, assessment	2,799 16
Interest	1,506 94
	<hr/>
	\$25,811 94

POLL-TAX ASSESSMENTS.

The polls recorded for assessment before August 10, 1895, and included in the estimate that determined the rate of taxation for the current year, were those of 142,460. Under the operation of the law providing for supplementary assessment of omitted male persons, liable to assessment under the provisions of Sections 20 of Chapter 417 of the Acts of 1893, and of Chapter 61, Acts of 1895, there were added to the list 4,865 polls, making the total number of males assessed 147,325. The number of polls assessed and the amount of such assessments in each ward are shown by tables on pages 12-13, and the number assessed in the city for five consecutive years is shown by the table marked "A," page 31.

VALUATION.

The valuation of the city, as of the first day of May, 1895, determined by the Assessors August 10 of that year, when the rate of taxation for the current year was fixed, was as follows:

Value of land, marsh, and flats	\$433,694,900 00
Value of dwelling-houses, stores, and other structures	311,056,150 00
Total value of real estate	\$744,751,050 00
Value of personal property other than bank stock, separately assessed	\$193,518,900 00
Value of shares in National Banks, located in Boston, taxable in said city	13,097,978 10
Total value of personal estate	206,616,878 10
Total valuation	\$951,367,928 10
<i>Carried forward</i>	\$951,367,928 10

For detail of 270,568,286 sq. ft. occupied land, valued at	\$377,733,100
406,072,678 " vacant " " "	52,143,400
108,144,695 " marsh and flats, " "	3,818,400

Total,	784,785,659	\$433,694,900
--------	-------------	---------------

— see table marked "H," page 40.

<i>Brought forward</i>	\$951,367,928 10
The proportion of the valuation as found in the several wards is shown by a table on page 12. This valuation was increased by supplementary assessments, under authority conferred by Section 20 of Chapter 417 of the Acts of 1893, by adding thereto personal estate to the amount of	25,000 00
The valuation was also increased by assessments under the provisions of Section 78 of Chapter 11 of the Public Statutes, as amended by Chapter 362 of the Acts of 1888, by the addition of land of the value of \$3,900, and buildings of the value of \$5,000; a total real-estate value omitted from assessment of	8,900 00
And by adding for personal estate deemed to have been omitted from the first assessment the value of	328,000 00
	<hr/>
The total valuation of the city upon which taxes were assessed for the financial year 1895-96, when all assessments were made, was	<u>\$951,729,828 10</u>

The valuation of 1895 for personal property can be fairly increased \$57,616,000 in addition to the amount given in the foregoing table, for the value assessed by the Commonwealth at the rate of \$14.95 per \$1,000 upon shares of Massachusetts corporations, the property of residents in Boston. The State deducts from the value of each share the amount that represents the real estate and the machinery locally assessed, and pays over to the city that proportion of the tax that represents the personal property of each corporation.

The valuation can be further increased, say, \$1,451,200 for bank stock assessed at the several rates of the places where the banks are located, as the taxes are paid to Boston, as assessments upon this class of property held by its citizens in Massachusetts banks located outside that city.

This valuation of the shares in Massachusetts corporations, and also in National Banks within the State, but without the limits of Boston, is determined by taking the amount paid by the Commonwealth to the city during the financial year, on account of corporate taxes assessed as of the first

day of May of that year. The totals are undoubtedly under estimates, as the collection extends beyond the year in which taxes are assessed, and a small proportion of their total sum is paid over to the city with the assessments of subsequent years.

As the revenue from these two sources is always estimated before the amount to be raised by taxation is determined, the effect of the valuation of this property in reducing the rate of taxation upon the \$951,367.928.10 assessed by the city is, as nearly as may be, the same as though its amount was included in the Assessors' aggregate, and the taxes were assessed by them.

The valuation of personal property can properly be further increased by the sum of \$195,648.56 for shipping owned by Boston citizens which was employed in foreign trade May 1, 1895. Section 8 of Chapter 11 of the Public Statutes provides that such property shall not be included in the personal estate of its owners, if they make a return of the same and report for taxation the net yearly income thereof. Section 10 of said chapter required that the State should reimburse the cities and towns for the loss sustained by such exemption. The act from which these two sections were taken became of force May 1, 1882, and contained the provisions that while the exemption should continue, reimbursement on the part of the State should cease in 1887. By Chapter 373 of that year, repayment for the loss of valuation was extended for two years, and was again extended for the same space of time by Chapter 286 of the Acts of the year 1890. Chapter 116 of the Acts of 1891 provides that such repayment shall continue to be made until two years from the date of its enactment, March 26, 1891, and was again extended five years by Chapter 149 of the Acts of 1893. The value of the shipping returned for the tax of 1895 was \$201,480, and the net income returned amounted to \$5,831.44. In the revenue of the city the amount of the payment by the State for the current financial year on this account is put at \$2,422.45.

The total valuation of personal estate which is assessed for all purposes, for which the city may raise money by taxation, can for the year 1895 be put at \$266,232,726.

The United States, the Commonwealth, the county, the city, churches, charitable, scientific, and other corporations, hold property exempt by law from assessment. That of the nation consists of certain islands, forts, and lighthouses in our harbor, the navy yard, custom-house, and the building used for the United States courts, sub-treasury, and post-office. The property of the State within the limits of the

city is made up of the State house, the State prison, an area of land and flats in East and South Boston, and land taken for metropolitan sewerage and metropolitan parks. The county property includes the court house and jail. But as the entire cost of all county estate has been paid by the city, and as the other municipalities that, with Boston, make up Suffolk county pay no county taxes [Pub. Stats., Chap. 11, § 47], the estates used for county purposes are included as a part of the city property. The character and value of the property used for municipal purposes may be ascertained by reference to the list of real and personal estate, under the title of nominal assets of the city. This list includes all the real estate, and as much of the personal property as is in active use. But there is a large amount of chattels belonging to the city, which are not only difficult of estimation, but which should not be included at a money value, even among the nominal assets of Boston. The books and works of art in our public library, the statues in our squares and public grounds, the furniture and fittings of our city buildings, are of this class of property. None of the chattels of the nation, State, or county are estimated in the list of exempt property; and only the lands connected with the forts and lighthouses of the General Government, and with Bunker Hill monument, are included in our estimation of exempt estate. The structures, if abandoned for their present use, would be valueless for any other purpose. The same considerations control the estimation of church furniture and fittings when church buildings are demolished. The income-producing personal estate of ministerial funds and trust property is assessed as though in the hands of individuals. [Pub. Stat., Chap. 11, § 22, 12 Cushing, page 54.] But such property when held by charitable, literary, or scientific corporations is exempt; and the large amount so held (nearly sixteen millions) is included in our estimation of untaxed property.

Buildings of any character that are adapted to public or partly public use are seldom capable of easy change to fit them for general purposes. When the estates of which they are a part are sold, it is found that a comparatively small value attaches to anything above the land. As such estates become unfitted for the purposes for which they are used, the values estimated for their buildings are reduced. It is believed that the reductions that have been made from time to time have brought our exempt estates to a fair valuation, which approximates to the selling price. By the methods indicated we place the property of the United States, land value, \$7,501,400; buildings, \$4,329,200; total, \$11,830,-

600. That of the Commonwealth, for land, \$4,403,600; buildings, \$3,544,700; total, \$7,948,300. The real estate of the city is valued, for land, \$36,468,282; buildings, \$18,764,500; a total of \$55,232,782; and the personal property used for municipal purposes, at \$840,000. The land connected with houses of religious worship is estimated at \$8,131,500, and the buildings at \$8,503,900; a total of \$16,635,400. The valuation of the real estate occupied by charitable, literary, and scientific institutions for the purposes for which they were incorporated is, for land, \$9,688,200; buildings, \$6,402,900; a total of \$16,091,100.

It appears that this class of benevolent and educational corporations hold \$17,052,670 of personal property, as returned to the Assessors by their officers, in accordance with the provisions of Chapter 217 of the Acts of the year 1882. As required by that enactment, those corporations also reported that their receipts for the twelve months preceding the first day of May, 1895, amounted to \$5,794,336, and their expenditures to \$5,764,268.¹ It appeared by their returns that at the date of assessment these benevolent and educational institutions held as investments \$7,540,565 of the real estate of this city, which, not being occupied for the purposes of their incorporation, is assessed at its estimated value, forming a part of the real-estate valuation for the tax of the current year. The city of Boston holds, in its corporate capacity (not assessed for city taxes), \$24,238,150 of actual assets available for the payment of liabilities, and \$56,072,782 nominal assets, the character of which is shown in the return of the Assessors as of May 1, 1895, to the Tax Commissioner of the Commonwealth.

ASSETS OF THE CITY OF BOSTON.

CLASSIFICATION.

Actual.

Sinking and Consolidated Street Improvement Funds, as per Auditor's report	\$22,321,850
<i>Carried forward</i>	<u>\$22,321,850</u>

¹ Among the corporations having large incomes and disbursements were the following:

	Receipts.	Expenditures.
American Board Commissioners of Foreign Missions	\$705,133	\$733,052
Massachusetts General Hospital	308,466	337,200
Boston University	196,370	196,672
Institute Technology	251,693	251,693
New England Conservatory of Music	251,590	239,583

<i>Brought forward</i>	\$22,321,850
Salable lands (not including islands), and land in charge of Board of Street Com- missioners	1,916,300
	<hr/>
	\$24,238,150
<i>Nominal.</i>	
School-houses	\$9,701,100
Public Library	2,684,600
Other public buildings	16,582,500
Public bath-houses	20,000
Public ground	¹ 332,500
Cemeteries	1
Ferry property	454,700
Islands (not included in "Other public build- ings")	27,800
Water-works	25,449,581
Fire apparatus	420,000
Fire alarm	175,000
Miscellaneous	225,000
	<hr/>
	56,072,782
	<hr/>
Total	<u>\$80,310,932</u>

Large amounts of property, held by residents or located within the limits of Boston, are by law or judicial decisions exempt from all assessments, the principal items being the real estate of the United States and the Commonwealth, United States bonds, money loaned upon mortgage of real estate, imported goods in original packages, and the furniture of a family below \$1,000 in value. The proportion of the deposits in the savings banks of Massachusetts (\$439,-269,861.15, October 31, 1895) belonging to the residents of Boston is unknown, as the Commonwealth assesses and retains the entire tax for State revenue. But the total valuation of Boston for property that, by existing laws, must be estimated for assessment or for the information of the Legislature, is as follows:

Valuation of real and personal estate by As- sessors' general assessment	\$951,367,928
Valuation of real and personal estate by As- sessors' supplementary assessment	361,900
	<hr/>
<i>Carried forward</i>	\$951,729,828

¹ Item includes only Washington and Lowell squares; the other squares, the Com-
mon, Public Garden, and the public parks not being available to convert into assets.

<i>Brought forward</i>		\$951,729,828
Valuation of Massachusetts corporation stock [assessed by State], tax paid to the city		57,616,000
Valuation of Massachusetts National Bank shares [assessed by State], tax paid to the city		1,451,200
Valuation of ships and vessels in foreign trade		195,648
		<hr/>
Total taxable valuation		\$1,010,992,676
Valuation of the real estate of the United States	\$11,830,600	
Valuation of the real estate of the Commonwealth	7,948,300	
Valuation of the real estate of the city of Boston [nominal assets]	55,232,782	
Valuation of the real estate of houses of religious worship	16,635,400	
Valuation of the real estate of charitable, scientific, and literary corporations,	16,091,100	
Valuation of the personal property of the city of Boston [actual assets]	24,238,150	
Valuation of the personal property of the city of Boston [nominal assets],	840,000	
Valuation of the personal property of charitable, scientific, and literary corporations	17,052,670	
		<hr/>
Total exempt valuation		149,869,002
		<hr/>
Total valuation as of May 1, 1895		\$1,160,861,678
		<hr/>

THE RATE OF ASSESSMENT AND TAXES COMMITTED TO THE COLLECTOR.

The rate of taxation needed to raise the amount of the several warrants and the overlay authorized by Section 49 of Chapter 11 of the Public Statutes, as amended by Chapter 226 of the Acts of the year 1887, was determined by the Assessors to be .1.28 per cent., or \$12.80 per \$1,000; of

this rate 55 cents was for State, 85 cents for county, and \$11.40 for the city tax.

The land, marsh, and flats, valuation of \$433,694,900, at \$12.80 per \$1,000, gave assessment amounting to . . . \$5,551,294 72

The valuation, dwellings, stores, and other structures, of \$311,056,150, at \$12.80 per \$1,000, gave assessment amounting to . . . 3,981,518 72

Total real-estate assessment . . . \$9,532,813 44

The personal-estate valuation of \$206,616,878, at \$12.80 per \$1,000, gave assessment amounting to . . . 2,644,696 04

The total valuation of \$951,367,928.10, at \$12.80 per \$1,000, gave a total property tax of . . . \$12,177,509 48

142,460 male polls, at \$2.00 each, amounted to . . . 284,920 00

The taxes as determined by the Assessors when the rate for the year was fixed, and their list and warrant therefor was committed to the Collector, aggregated . \$12,462,429 48

To the amount of the commitment were added taxes for omitted persons, supplementary assessment, under the provisions of Section 20, Chapter 417, of the Acts of 1893, for 4,865 polls . . . 9,730 00
 \$25,000 personal property . . . 320 00

There was also added by supplementary assessment of omitted estates, in accordance with the provisions of Chapter 362 of the Acts of 1888, the taxes on \$8,900 valuation of real estate . . . 113 92

And the taxes on \$328,000 valuation of personal estate . . . 4,198 40

The total taxes committed to the Collector for the financial year 1895-6 amounted to \$12,476,791 80

Carried forward : . . . \$12,476,791 80

<i>Brought forward</i>		\$12,476,791 80
Special assessments committed which were included in the tax-bills issued :		
Apportionment of street assessments	\$2,192 40	
Interest	2,712 94	
	<hr/>	4,905 34
Apportionment of sidewalk assessments	\$9,675 80	
Interest	5,011 64	
	<hr/>	14,687 44
Apportionments of sewer assessments	\$11,832 17	
Interest	9,497 18	
	<hr/>	21,329 35
Total of taxes and assessments		<hr/> \$12,517,713 93

Assessors' Valuation of the Real and Personal Estates and Number of Polls in each of the Twenty-five Wards of the City, and the Taxes assessed thereon, as of the first day of May, in the Year 1895. Rate, \$12.80 per \$1,000. Original Assessments.

Wards.	Polls.	Value Real Estate.	Value Personal Estate.	Total Valuation.	Tax on Polls.	Tax on Real Estate.	Tax on Personal Estate.	Total Tax.
1 . .	6,624	\$11,081,250	\$959,200	\$12,040,450	\$13,248	\$141,840 00	\$12,277 76	\$167,365 76
2 . .	5,207	10,370,700	645,100	11,015,800	10,414	132,744 96	8,257 28	151,416 24
3 . .	4,085	7,834,300	902,200	8,736,500	8,170	100,279 04	11,548 16	119,997 20
4 . .	3,980	10,051,200	786,000	10,837,200	7,960	128,655 36	10,060 80	146,676 16
5 . .	4,181	12,053,500	2,707,500	14,761,000	8,362	154,284 80	34,656 00	197,302 80
6 . .	3,952	51,041,000	16,870,200	67,911,200	7,904	653,324 80	215,938 56	877,167 36
7 . .	3,519	37,624,900	7,366,200	44,991,100	7,038	481,598 72	94,287 36	582,924 08
8 . .	4,253	10,202,600	505,300	10,707,900	8,506	130,593 28	6,467 84	145,567 12
9 . .	3,736	17,181,600	11,539,400	28,721,000	7,472	219,924 48	147,704 82	375,100 80
10 . .	2,657	132,367,000	32,881,400	165,248,400	5,314	1,694,297 60	420,881 92	2,120,493 52
11 . .	7,682	92,907,500	52,007,500	144,915,000	15,364	1,189,216 00	665,696 00	1,870,276 00
12 . .	3,812	62,323,400	20,808,500	83,131,900	6,624	797,739 52	266,348 80	1,070,712 32
13 . .	6,207	15,663,800	660,500	16,324,300	12,414	200,496 64	8,454 40	221,365 04
14 . .	7,791	13,824,700	1,176,100	15,000,800	15,582	176,956 16	15,054 08	207,592 24
15 . .	5,196	8,213,800	428,000	8,641,800	10,392	105,136 64	5,478 40	121,007 04
16 . .	5,396	16,602,400	631,900	17,294,300	10,792	213,278 72	8,088 32	232,159 04
17 . .	4,865	18,515,400	1,787,900	20,303,300	9,730	236,997 12	22,885 12	269,612 24
18 . .	4,683	19,945,500	5,171,300	25,116,800	9,366	265,302 40	66,192 64	339,861 04
19 . .	6,975	14,125,200	894,800	15,020,000	13,950	180,802 56	11,453 44	206,206 00
20 . .	8,404	21,242,100	1,274,400	22,516,500	16,808	271,898 88	16,312 32	305,019 20
21 . .	7,832	30,226,100	7,995,100	38,221,200	15,664	386,894 08	102,337 28	504,895 36
22 . .	6,818	40,588,500	6,483,000	47,071,500	13,636	519,532 80	82,982 40	616,151 20
23 . .	3,808	30,142,300	9,648,600	39,790,900	17,616	385,821 44	123,502 08	526,939 52
24 . .	11,092	41,363,700	6,143,200	47,506,900	23,384	529,455 86	78,632 96	631,472 32
25 . .	4,605	19,198,600	3,245,000	22,444,200	9,210	245,742 08	41,543 68	296,495 76
Bank Tax	142,460	\$744,751,050	\$193,518,900	\$938,269,950	\$284,920	\$9,532,813 44	\$2,477,041 92	\$12,294,775 36
			13,097,978	13,097,978			167,654 12	167,654 12
Total . .	142,460	\$744,751,050	\$206,616,878	\$951,367,928	\$284,920	\$9,532,813 44	\$2,644,696 04	\$12,462,429 48

Supplementary Assessments of Polls and omitted Estates in each of the Twenty-five Wards of the City, and the Taxes assessed thereon, as of the first day of May, in the Year 1895. Rate, \$12.80 per \$1,000.

WARD.	Polls.	Valuation, Real Estate.	Valuation, Personal Estate.	Total Valuation, Real and Personal Estate.	Tax on Polls.	Tax on Real Estate.	Tax on Personal Estate.	Total Tax.
1	96		\$400	\$400	\$192		\$5 12	\$197 12
2	156	\$2,100	100	2,200	812 \$26 88		1 28	340 16
3	52		100	100	104		1 28	105 28
4	77				154			154 00
5	162				324			324 00
6	422		68,500	68,500	844		876 80	1,720 80
7	253		38,600	38,600	506		494 08	1,000 08
8	269		1,300	1,300	588		16 64	554 64
9	191		5,500	5,500	382		70 40	452 40
10	121		11,000	11,000	242		140 80	382 80
11	242		139,400	139,400	484		1,784 32	2,268 32
12	261		27,700	27,700	522		354 56	876 56
13	283				566			566 00
14	159		2,500	2,500	318		32 00	350 00
15	138		200	200	276		2 56	278 56
16	409		100	100	818		1 28	819 28
17	263		26,500	26,500	526		339 20	865 20
18	169		4,800	4,800	338		61 44	399 44
19	193		2,200	2,200	396		28 16	424 16
20	216		4,200	4,200	432		53 76	485 76
21	127		4,500	4,500	254		57 60	311 60
22	181		4,800	4,800	362		61 44	423 44
23	158	2,500	5,300	7,800	316	32 00	67 84	415 84
24	174	2,800	5,300	8,100	544	35 84	67 84	451 68
25	83	1,500		1,500	176	19 20		195 20
	4,865	\$8,900	\$353,000	\$361,900	\$9,730	\$113 92	\$4,518 40	\$14,362 32

PERCENTAGE OF ASSESSMENTS ON POLLS AND PROPERTY.

When the assessment to meet the warrants of the State, county, and city had been completed, 186,566 bills were sent to the Collector, with the list of persons assessed, and the Assessors' warrant to collect their amount. Of these bills, 124,283, $66\frac{2}{9}$ per cent., were for poll taxes only.

When all the lists and warrants for the year had been sent to that officer, 4,916 additional bills, covering supplementary assessments, had been delivered. Of this class, 4,810 were for poll taxes only.

The tax assessments of the financial year were represented by 191,482 bills, of which $32\frac{3}{5}$ per cent. were for property, and $67\frac{2}{5}$ per cent. were for poll taxes.

The total number of persons assessed on property was 52,267, of which 35,971 were resident individuals, 3,940 non-resident individuals, and 12,356 firms, corporations, trustees, etc. See Table "C," page 33.

ABATEMENTS.

The amount of abatements from all the above assessments to January 31, 1896, was, for polls, 846; for real estate, \$45,930.74; for personal estate, \$40,204.04; a total of \$86,980.78. Of this sum, \$85,437.10 was abated before the reduced tax-bills were paid, and with the money received for taxes, is treated as a credit item to the Collector, who is charged with the total amount of the tax warrants of the year. The remainder of the abatements, amounting to \$1,543.68, were made after payment by the persons assessed, and the several amounts were refunded by the Treasurer for moneys received from the Collector, for the taxes of the current financial year.

AVERAGE OF ASSESSORS' VALUATION FOR FIVE YEARS.

In accordance with the requirements of Section 5 of Chapter 6 of the existing ordinances, we herewith include a statement of the Assessors' valuation of the taxable property in the city of Boston for each of the preceding five years, the abatement thereon allowed previous to the thirty-first day of December preceding, and the average of such valuations reduced by such abatements.

Year	Valuations.	Abatements.
1891 . . .	\$855,425,014 62	\$8,152,559
1892 . . .	896,000,104 00	10,196,000
1893 . . .	924,447,651 72	10,135,800
1894 . . .	928,467,842 53	8,449,600
1895 . . .	951,729,828 10	6,240,800
Totals . . .	\$4,556,070,440 97	\$43,174,759
Less abatements,	43,174,759 00	
	\$4,512,895,681 97	

Divided by five, gives \$902,579,136.39, — average valuation for five years, less abatements.

TAXATION OF CORPORATE PROPERTY.

In accordance with the provisions of Section 86 of Chapter 11 of the Public Statutes, the Assessors, in August, 1895, returned to the Tax Commissioner of the Commonwealth the names of 279 Massachusetts corporations located in Boston, "with a statement in detail of the works, structures, real estate, and machinery owned by each of said corporations . . . with the value thereof."

No personal property other than machinery can legally be assessed to a Massachusetts corporation. The valuation of property of corporations chartered by the Commonwealth, which was included in the total that determined the rate of taxation, amounted to \$91,470,650, of which sum \$82,453,650 was real estate, and \$9,017,000 was machinery. A statement showing the growth of corporate property locally assessed during the last decade is shown as a footnote to table marked "D," page 34. Under the provisions of Section 8 of Chapter 13 of the Public Statutes, the Board assessed the 537,500 shares of the 60 national banks of Boston upon a valuation of \$59,315,000; a total tax of \$759,232. At the time the rate of taxation was determined, the estimated value of 115,967 $\frac{2}{3}$ shares, \$13,097,978.10, was included in the total aggregate as property which could be legally assessed in the valuation of the city of Boston. The balance of the total assessment of this class of property amounted to \$46,217,021.90, and the tax of \$591,577.88 thereon was claimed by the Tax Commissioner, under the provisions of Section 13 of said chapter, for the State, and certain of the cities and towns of Massachusetts in which shareholders resided. Section 16 of said chapter provides that one per cent. on the amount collected shall be paid

"for the expenses of assessing and collecting" that portion as the tax which is not retained by the city or town where the banks are located. As the whole work of assessment, including the making of the bills or lists of taxes, is performed in the Assessing Department, and as each bank must pay (see Section 9, Chapter 13, P.S.), and by a single check does pay, the taxes of all its shareholders, it can be fairly claimed that substantially the whole sum of \$5,915 was secured by this department and added to the revenue of the city.

The Board of Assessors have, under the provisions of Sections 14 and 58 of said Chapter 13, adjusted the taxes of 1895 upon national bank stock and the shares of Massachusetts corporations, as against the claims of the State or its municipalities, and for that purpose have appeared before the Board of Appeal provided for in Section 62 of said chapter, as agents of the city, where its claims were disputed or needed defence.

Valuation of Land and Buildings by Wards in 1876 and 1895.

As the valuations of the city for 1895 are made for the last time on the basis of the old ward lines which have existed since 1876, we have added the following tables, which will show the separate valuations of the land and buildings in each ward for the years 1876 and 1895, and also the gains and losses in the land, buildings, and total valuation.

	1876.			1895.		
	Value land.	Value buildings.	Total value.	Value land.	Value buildings.	Total value.
Ward 1	\$3,608,775	\$3,662,125	\$7,271,900	\$4,432,050	\$6,649,200	\$11,081,250
Ward 2	4,986,700	4,582,400	9,569,100	4,840,550	5,530,150	10,370,700
Ward 3	3,260,500	2,860,800	6,121,300	4,029,400	3,804,900	7,834,300
Ward 4	5,000,600	3,143,500	8,144,100	5,842,800	4,208,400	10,051,200
Ward 5	6,692,700	3,979,800	10,672,500	6,748,800	5,304,700	12,053,500
Ward 6	28,829,800	12,822,400	41,712,200	34,151,700	16,889,300	51,041,000
Ward 7	29,464,600	9,695,200	39,159,800	26,263,000	11,361,900	37,624,900
Ward 8	4,874,600	4,112,000	8,986,600	5,272,100	4,930,500	10,202,600
Ward 9	9,543,100	9,450,100	18,993,200	8,928,000	8,253,600	17,181,600
Ward 10	56,836,000	25,731,600	82,567,600	102,216,700	30,150,300	132,367,000
Ward 11	23,839,400	28,437,600	47,277,000	49,602,100	43,305,400	92,907,500
Ward 12	34,600,200	17,739,400	52,339,600	39,776,800	22,546,600	62,323,400
Ward 13	8,174,800	5,192,600	13,367,400	9,201,500	6,462,300	15,663,800
Ward 14	5,688,200	6,067,500	11,755,700	4,984,800	8,839,900	13,824,700
Ward 15	3,884,600	3,684,100	7,568,700	3,418,900	4,794,900	8,213,800
Ward 16	8,765,300	6,680,600	15,445,900	9,008,200	7,654,200	16,662,400
Ward 17	9,079,300	10,163,200	19,242,500	7,693,400	10,822,000	18,515,400
Ward 18	8,403,000	12,658,600	21,061,600	8,048,700	11,896,800	19,945,500
Ward 19	7,636,900	5,528,300	13,165,200	7,315,000	6,810,200	14,125,200
Ward 20	10,577,700	5,941,100	16,518,800	8,710,900	12,531,200	21,242,100
Ward 21	12,602,900	8,293,000	20,895,900	12,670,400	17,555,700	30,226,100
Ward 22	11,382,800	4,171,300	15,554,100	26,825,100	13,763,400	40,588,500
Ward 23	11,755,500	6,067,200	17,822,700	15,383,400	14,758,900	30,142,300
Ward 24	12,737,400	7,752,100	20,489,500	17,221,300	24,142,400	41,363,700
Ward 25	6,847,400	2,607,000	9,454,400	11,109,300	8,089,300	19,198,600
Totals.....	\$320,133,375	\$206,024,525	\$526,157,900	\$433,694,900	\$311,056,150	\$744,751,050

Gains and Losses by Wards, 1876 and 1895.

	Land. Gain or loss.	Buildings. Gain or loss.	Total. Gain or loss.
Ward 1	\$823,275	\$2,986,075	\$3,809,350
Ward 2	* 146,150	947,750	801,600
Ward 3	768,900	944,100	1,713,000
Ward 4	842,200	1,064,900	1,907,100
Ward 5	56,100	1,324,900	1,381,000
Ward 6	5,261,900	4,066,900	9,328,800
Ward 7	5,798,400	1,666,700	7,465,100
Ward 8	397,500	818,500	1,216,000
Ward 9	* 615,100	* 1,196,500	* 1,811,600
Ward 10	45,380,100	4,418,700	49,798,800
Ward 11	25,762,700	19,867,800	45,630,500
Ward 12	5,176,600	4,807,200	9,983,800
Ward 13	1,026,700	1,269,700	2,296,400
Ward 14	* 703,400	2,772,400	2,069,000
Ward 15	* 465,700	1,110,800	645,100
Ward 16	242,900	973,600	1,216,500
Ward 17	* 1,385,900	658,800	* 727,100
Ward 18	* 354,300	* 761,800	* 1,116,100
Ward 19	* 321,900	1,281,900	960,000
Ward 20	* 1,866,800	6,590,100	4,723,300
Ward 21	67,500	9,262,700	9,330,200
Ward 22	15,442,300	9,592,100	25,034,400
Ward 23	3,627,900	8,691,700	12,319,600
Ward 24	4,483,900	16,390,300	20,874,200
Ward 25	4,261,900	5,482,300	9,744,200
Totals	\$113,561,525	\$105,031,625	\$218,593,150

* Loss.

ASSESSMENT STATISTICS.

A table marked "B," page 32, will show the separate estimation of land and buildings in the valuations of 1891 to 1895 inclusive, the total gain during that period being \$94,512,675, of which \$52,395,075 is upon the land, and \$42,117,600 is upon buildings.

For the valuation of Boston by wards for five years, and for the separate estimation of the real and personal property for twenty years, and for the total valuation of the city for thirty-five years, see tables marked "A," "D," and "E," on pages 31, 34, and 35. All the valuations shown on these tables are those which determine the rate of taxation for the years to which they relate, and do not include the small amounts

subsequently added by supplementary assessment. The valuation of 1895, as compared with that of the preceding year, shows a gain on real estate of \$21,007,200, equal to an advance of 2.90 per cent., and a gain of \$2,251,686 on personal property, equal to 1.10 per cent. The total valuation of 1895 is more than that of 1885 by \$265,788,856, showing a gain in ten years of 38.76 per cent.

The table marked "D," page 34, will show the rate of taxation in Boston for the past twenty years, and the table marked "F," page 36, will show the proportion of each annual rate required to raise the tax of a given year for State, county, or city purposes.

A table marked "G," pages 37-39, will show the approximate value of the dwelling-houses of the city, and a table marked "H," page 40, will give certain statistics relating to the real estate of Boston.

We deem it of sufficient interest to also add to this report a table which has been compiled, showing the valuations of property, rates of taxation, and the number of assessed polls for each year from 1822, when the city of Boston was established, to the present time.

For many years prior to 1842, taxes were assessed on the basis of 50 per cent. of the true value of property, which custom was discontinued in the assessments of that and succeeding years at the request of the city government.

The result of this change will be seen in the reduction in the rate of taxation for that and the following years.

STREETS, SIDEWALKS, AND SEWER ASSESSMENTS.

Before the passage of Chapter 456 of the Acts of 1889, this department had no connection with street or sewer assessments, other than attaching to tax-bills such assessments as had been duly apportioned, under the provisions of the Public Statutes, Chapter 50, Section 25, and Chapter 51, Section 5, and certified to the Assessors by the Board of Aldermen, or Street Commissioners. After the enactment of the law of 1889, the Assessors were required to receive applications for apportionment, and hear requests for abatement of sewer assessments. By Chapter 346 of the year 1890, the Assessors were empowered to suspend the collection of such an assessment made upon a person or corporation by law exempt from the assessment of taxes until the estate affected came into the possession of a new owner, when the amount of the charge, with interest, was to be paid. But this law was repealed by Section 7 of Chapter 402 of the Acts of 1892, and the connection of this department with street, sidewalk,

and sewer assessments must now be ascertained from Chapter 323 of the Acts of 1891 (known as the Board of Survey Act) as amended by Chapter 418 of 1892, and Chapters 401 and 402 of the Acts of the last-named year as amended by Chapters 227 and 256 of 1894. The law now in force connecting this department with these classes of special assessments may be stated as follows :

STREET ASSESSMENTS.

After the work of building a new street has been completed, including roadway, sidewalks, and sewer; and after the Auditor has certified the expense, the Street Commissioners determine the cost, and ascertain what proportion of the whole amount shall be paid by the city, and what sum is to be assessed upon abutters. [1892, 418, §§ 7, 8.] "The assessable cost of the work" is apportioned by the Commissioners, upon the several parcels of land abutting on the street. If the amount fixed by the Commissioners is unsatisfactory, they can revise and correct their assessment, and their final determination is "subject to appeal . . . to the Superior Court . . . as is provided in the case of taxes." [1892, 418, § 8.] If the amount of the assessment upon any lot is not paid in "one year from the date of such determination, or if the amount as found by the court, or on appeal . . . is not paid before the last day of May next succeeding . . . and in every case with interest from the date of the passage of the . . . order of said Street Commissioners" "for securing the land required for . . . or for constructing" the street they have laid out, "the Board of Assessors . . . shall include a sum equal to nine per cent. of such amount in the next and succeeding annual tax-bills issued for the tax on the said parcel, and in the tax-bill issued the first year shall also include interest on the whole of said amount . . . from the date of the aforesaid order . . . to the last day of October of the year of the date of such tax-bill . . . and . . . for each succeeding year, shall include one year's interest on the whole of said amount . . . and shall so include such sums . . . until . . . ten . . . with interest have been paid." [182, 418, §§ 5, 9.]

The owner of the land may at any time relieve his estate from incumbrance, by payment in full, or may release a portion of his estate, by a partial payment of the balance due, with the consent of the Mayor and Street Commissioners. [1892, 418, § 10.] All moneys paid on account of these special assessments are applied to the payment of

the interest of, or paid into, the sinking-fund for the extinguishment of the debts contracted on account of the work for which the assessments were laid. [1891, 323, § 189.]

SIDEWALK ASSESSMENTS.

Chapter 401 of the Acts of 1892 applies to sidewalks in streets already constructed. This act provides that "the Mayor and Aldermen" may order "the Superintendent of Streets . . . to make a sidewalk" in such location, and of such materials, as they may deem expedient. [1892, 401, § 1.] The Superintendent apportions the cost to the several parcels of land, according to their frontage on the street in which the sidewalk is constructed. [1892, 401, § 3.] The order of the Mayor and Aldermen, and the apportionment of the Superintendent, in the operation of the law, take the place of the order and determination of the Street Commissioners, under the Act of 1891, as amended in 1892; otherwise, all proceedings, including the division of an unpaid assessment and the addition of interest thereto, are the same as when a street is constructed under the Board of Survey Act. This act [Chap. 401, 1892] was repealed by Chapter 437 of 1893, so that this department will have no connection with assessments for sidewalks built after the date of its passage, June 9, 1893.

SEWER ASSESSMENTS.

Chapter 402 of the Acts of 1892 applies to sewers in streets already built, and requires that when sewers are laid, they shall be built when the Mayor and Aldermen so order, and be paid for by assessments based on frontage, made by the Superintendent of Streets [see Chap. 256 of the Acts of 1894]; and the machinery of this act is in all other respects made to conform to that of the Board of Survey Act, with the following exceptions: Only lands within one hundred and twenty-five feet of the way in which the sewer is laid are included in the assessment. [1892, 402, § 5; 1892, 418, §§ 5, 6, 8, 9.] A drain for any land outside the line of one hundred and twenty-five feet can only enter the sewer "after the amount to be paid for an entry has been fixed by the Mayor and Aldermen." [1892, 402, § 5.] Interest shall not begin to run upon sewer assessments until after the expiration of thirty days from the completion of the sewer on account of which the assessment is made, Chapter 227, Acts 1894. When a sewer assessment is laid upon a church estate, or upon any other "parcel of land

for which the owner is by law exempt from being taxed, as determined by the Assessors . . . on application to them" by such owner, the Collector is required to "suspend the collection of such assessment" until a new owner holds the land, when its amount is collected without interest. [1892, 402, § 4.] But if the owner of an estate where the collection of a sewer assessment has been suspended, desires to enter the sewer, he can do so "after the amount to be paid for" such entry "has been fixed by the Mayor and Aldermen," and when the estate passes to another owner, the original assessment, "less any payment made for an entry" into the sewer, "becomes due and payable," and must be collected, as if the day when the fee passed from grantor to grantee "were the date of the passage of the . . . order for making the sewer." [1892, 402, §§ 4, 5.] As the law now stands, it must follow that if the amount then found to be due is not paid, it is to be collected as is provided for other unpaid sewer assessments; that is, by ten annual instalments with interest. The fact that Section 9 of Chapter 418 of the Acts of 1892 provides that when an unpaid special assessment is apportioned and added to a tax-bill, it may "be abated . . . as if a part of, and in the same manner as, the city taxes," will undoubtedly bring many applications for abatement to this department. In an opinion dated December 8, 1892, the Corporation Counsel states that the power to make an abatement of such an assessment "commences only when the . . . assessment is included in the tax-bill, and can only be exercised in curing mistakes in figures, facts, or the law, and confers upon" the Assessors "no power to abate for any other than a legal reason."

SPECIAL ASSESSMENTS.

Under the operation of the foregoing laws, the following amounts were certified to the Assessors by the City Collector, as remaining unpaid one year after the date of assessment:

Sidewalk assessments	\$2,452 19
For sewer assessments	\$83,101 97
Less amount paid before tax-bills were issued,	910 68
	<hr/>
	\$82,191 29
For street construction assessments	\$24,448 19
Less amounts paid before tax-bills were issued,	88 00
	<hr/>
	\$24,360 19

The several assessments were duly apportioned, and a sum equal to nine per cent. of each assessment with the required interest was included in the tax-bills which were issued for the tax on the estates which were liable.

The second apportionment of sewer assessments, certified in 1894, amounted to .			\$4,433 74	
Interest			2,216 25	
			<hr/>	\$6,649 99
The second apportionment of sidewalk assessments, certified in 1894, amounted to .			\$9,455 06	
Interest			4,727 38	
			<hr/>	14,182 44
The apportionment of sewer assessments, certified in 1895, amounted to .			\$7,398 43	
Interest			7,280 93	
			<hr/>	14,679 36
The apportionment of sidewalk assessments, certified in 1895, amounted to .			\$220 74	
Interest			284 26	
			<hr/>	505 00
The apportionment of assessments for street construction, certified in 1895, amounted to .			\$2,192 40	
Interest			2,712 94	
			<hr/>	4,905 34
Total amount committed to Collector .				<hr/>
				\$40,922 13

RETURN OF ASSESSED POLLS TO REGISTRARS OF VOTERS,
1895.

WARDS.	Regular.	Supplementary to State Elec- tion.	Supplementary to City Elec- tion.	Total.
1	6,624	48	48	6,720
2	5,207	124	32	5,363
3	4,085	35	17	4,137
4	3,980	52	25	4,057
5	4,181	100	62	4,343
6	3,962	209	218	4,374
7	3,519	182	71	3,772
8	4,253	208	61	4,522
9	3,736	153	38	3,927
10	2,657	86	35	2,778
11	7,682	159	83	7,924
12	3,812	165	96	3,973
13	6,207	246	37	6,490
14	7,791	119	40	7,950
15	5,196	100	32	5,334
16	5,396	534	75	5,805
17	4,865	210	63	5,128
18	4,683	119	50	4,852
19	6,975	155	38	7,168
20	8,404	166	60	8,630
21	7,832	79	44	7,955
22	6,818	136	45	6,999
23	8,808	100	58	8,966
24	11,092	76	98	11,866
25	4,605	60	23	4,688
Totals	142,460	3,427	1,438	147,325

For the purpose of carrying out the provisions of Chapter 61 of the Acts of 1895, in relation to the assessment of persons not assessed a poll tax in the regular assessment, the Board held twelve evening sessions previous to the close of registration for the State election, and ten evening sessions previous to the City election, in addition to their regular daily sessions.

RECEIPTS AND EXPENDITURES.

There have been no receipts in this department other than the money appropriated for its current expenses. The appropriation was	\$140,000 00
The expenditures for the financial year for salaries, compensation of assistant assessors, clerk-hire, books, stationery, and incidentals have amounted to	138,522 39
Unexpended balance	<u>\$1,477 61</u>

Respectfully submitted,

JOSHUA S. DUNCKLEE, *Chairman*,
 FRANK A. DREW, *Secretary*,
 JOHN J. MURPHY,
 JOHN PIERCE,
 JOHN M. MAGUIRE,
 GEORGE A. COMINS,
 EDWARD B. DAILY,
 SAMUEL HICHBORN,
 E. MERTAIN HATCH,

Assessors of the City of Boston.

APPENDIX.

ASSESSMENT DISTRICTS AND ASSISTANT ASSESSORS ASSIGNED
THERE TO FOR THE ASSESSMENT OF MAY 1, 1895.

District 1. — The whole of Ward 1. First Assistant Assessor, Charles A. Tilden, and Second Assistant, Charles W. Odiorne.

District 2. — The whole of Ward 2. First Assistant Assessor, Thomas O. McEnaney, and Second Assistant, John C. Nute.

District 3. — The whole of Ward 3. First Assistant Assessor, Fred'k H. Temple, and Second Assistant, Benjamin F. Bowditch.

District 4. — The whole of Ward 4. First Assistant Assessor, Dennis G. Quirk, and Second Assistant, Charles W. Pearson.

District 5. — The whole of Ward 5. First Assistant Assessor, John Bryant, and Second Assistant, Patrick Sullivan.

District 6. — That part of Ward 6 lying north and east of a line beginning at the junction of Salem and Hanover streets; thence by the centre lines of Hanover and Richmond streets and the centre line of Atlantic avenue to the boundary line of Ward 12. First Assistant Assessor, Hugh F. Sheran, and Second Assistant, Frank J. Enos.

District 7. — That part of Ward 6 lying south and west of a line beginning where the boundary line between Wards 6 and 12 crosses Atlantic avenue; thence by the centre line of said avenue and the centre lines of Richmond and Hanover streets to the boundary line of Ward 7. First Assistant Assessor, William H. Cundy, and Second Assistant, Allen J. McIntire.

District 8. — That part of Ward 7 lying north of a line beginning at the junction of Hanover and Blackstone streets; thence by the centre line of Blackstone street to Haymarket square; thence across said square to the centre line of Merrimac street; thence by the centre line of said last-named street to the boundary line of Ward 8. First Assistant Assessor, Thomas H. Bond, and Second Assistant, Charles W. Curran.

District 9. — That part of Ward 7 lying south of a line beginning at the junction of Causeway and Merrimac streets; thence by the centre line of Merrimac street to Haymarket square; thence across said square to the centre line of Blackstone street; thence by the centre line of said last-named street to the boundary line of Ward 6. First Assistant Assessor, Alonzo D. Hibbard, and Second Assistant, Bernard J. McGowan.

District 10. — The whole of Ward 8. First Assistant Assessor, Daniel A. Downey, and Second Assistant, Lawrence A. Hoey.

District 11. — The whole of Ward 9. First Assistant Assessor, Charles O. Burrell, and Second Assistant, Joseph D. Dillworth.

District 12. — That part of Ward 10 lying to the north and east of a line beginning at the junction of Joy and Beacon streets, and drawn through the centre of Beacon, Park, Tremont, Winter, and Summer streets to the boundary line of Ward 12. First Assistant Assessor, Andrew J. Browne, and Second Assistant, Peter Walsh.

District 13. — That part of Ward 10 lying to the south and west of a line beginning at the ward line at the junction of Bedford and Summer streets; thence by the centre lines of Summer, Washington, Winter, Tremont, Park, and Beacon streets, to the boundary line of Ward 9. First Assistant Assessor, Charles B. Hunting, and Second Assistant, George W. Harris.

District 14. — That part of Ward 11 lying north and west of a line beginning where the boundary line between Wards 10 and 11 crosses Park square; thence across said square to the centre line of Providence street; thence by said centre line and the centre line of Berkeley street to the location of the Providence Division of the Old Colony Railroad; thence by said location to the boundary line of Ward 22. First Assistant Assessor, George A. King, and Second Assistant, Lawrence J. Towle.

District 15. — That part of Ward 11 lying south and east of a line beginning where the location of the Providence Division of the Old Colony Railroad passes under West Chester park; thence by said location and the centre lines of Berkeley and Providence streets to Park square; thence across said square to the boundary line of Ward 10. First Assistant Assessor, Patrick D. Sullivan, and Second Assistant, Duncan McArthur.

District 16. — That part of Ward 12 lying north of a line beginning at the junction of Kneeland and Hudson streets; thence by the centre lines of Kneeland and Federal streets, and Mount Washington avenue to the boundary line of Ward 13. First Assistant Assessor, Charles H. Brigham, and Second Assistant, Henry J. Ireland.

District 17. — That part of Ward 12 lying south of a line beginning at Fort Point channel; thence by the centre line of Mount Washington avenue and the centre lines of Federal and Kneeland streets to the boundary line of Ward 10. First Assistant Assessor, George W. Carr, and Second Assistant, Cornelius J. McGillicuddy.

District 18. — The whole of Ward 13. First Assistant Assessor, Roger H. Scannell, and Second Assistant, Andrew J. Quinn.

District 19. — That part of Ward 14 lying west of a line running through the centre of K street, from the ward line in Boston harbor to the ward line in Dorchester bay. First Assistant Assessor, John C. Cook, and Second Assistant, Henry J. McKee.

District 20. — That part of Ward 14 lying east of the line running through the centre of K street, from the ward line in Dorchester bay to the ward line in Boston harbor. First Assistant Assessor, James I. Moore, and second Assistant, Edwin R. Spinney.

District 21. — The whole of Ward 15. First Assistant Assessor, James P. Fox, and Second Assistant, John S. McDonough.

District 22. — The whole of Ward 16. First Assistant Assessor, John J. Gartland, and Second Assistant, Frederick A. H. Bennett.

District 23. — The whole of Ward 17. First Assistant Assessor, William B. Smart, and Second Assistant, George P. Richardson.

District 24. — The whole of Ward 18. First Assistant Assessor, Henry S. Harris, and Second Assistant, Charles J. McHugh.

District 25. — The whole of Ward 19. First Assistant Assessor, Nicholas J. Furie, and Second Assistant, John P. Geishecker.

District 26. — That part of Ward 20 lying north and west of a line beginning at the junction of Albany and Swett streets; thence by the centre lines of Swett, Magazine, and Dudley streets and the centre line of Blue Hill avenue to the boundary line of Ward 21. First Assistant Assessor, Edward W. Dolan, and Second Assistant, Charles H. Snow.

District 27. — That part of Ward 20 lying south and east of a line beginning at the junction of Winthrop street and Blue Hill avenue; thence by the centre line of said avenue and the centre lines of Dudley, Magazine, and Swett streets to the boundary line of Ward 18. First Assistant Assessor, Henry L. Carter, and Second Assistant, William Burns.

District 28. — That part of Ward 21 lying north and west of a line beginning at the junction of Dudley and Warren streets; thence by the centre lines of Warren street, Walnut avenue, Circuit and Washington streets to the boundary line of Ward 23. First Assistant Assessor, Alonzo F. Andrews, and Second Assistant, Gerhard Kranefuss.

District 29. — That part of Ward 21 lying south and east of a line beginning at the junction of Codman avenue and Washington street; thence by the centre lines of Washington and Circuit streets, Walnut avenue, and Warren street to the boundary line of Ward 20. First Assistant Assessor, John H. Griggs, and Second Assistant, Edward Seaver.

District 30. — That part of Ward 22 lying north of a line beginning at the boundary line between the city of Boston and the town of Brookline; thence by the centre lines of Longwood avenue, Parker and Tremont streets to the boundary line of Ward 21. First Assistant Assessor, George Warren, and Second Assistant, Hubert J. Gormley.

District 31. — That part of Ward 22 lying south of a line beginning at the junction of the location of the Providence Division of the Old Colony Railroad and Tremont street; thence by the centre lines of Tremont and Parker streets and the centre line of Longwood avenue to the boundary line between the city of Boston and town of Brookline. First Assistant Assessor, Robert Culbert, and Second Assistant, John J. Capelle.

District 32. — That part of Ward 23 lying north and east of a line beginning at the junction of Centre street and the location of the Providence Division of the Old Colony Railroad; thence

by said location and the location of the West Roxbury Branch Railroad to the centre lines of Dudley avenue, South, Centre, and Church streets to the ward line. First Assistant Assessor, Frank S. Pratt, and Second Assistant, Daniel H. Daly.

District 33. — That part of Ward 23 lying south and east of a line beginning at the boundary line between the city of Boston and the town of Hyde Park; thence by the centre lines of Grew avenue, Poplar, Sycamore, Kittredge, Norfolk, and Washington streets, and Dudley avenue, to the location of the West Roxbury Branch Railroad; thence by said location and the location of the Providence Division of the Old Colony Railroad to the ward line at Centre street. First Assistant Assessor, John H. Giblin, and Second Assistant, Dexter C. Whittemore.

District 34. — That part of Ward 23 lying south and west of a line beginning at the boundary line between the city of Boston and the town of Brookline; thence by the centre lines of Church, Centre, and South streets, Dudley avenue, Washington, Norfolk, Kittredge, Sycamore, and Poplar streets, and Grew avenue, to the boundary line between said city and the town of Hyde Park. First Assistant Assessor, Hubert Pope, and Second Assistant, Oscar N. Fossett.

District 35. — That part of Ward 24 lying northerly of a line beginning at the junction of Columbia and Quincy streets; thence by the centre lines of Quincy, Bowdoin, East, and Adams streets, Dorchester avenue and Park street, and the centre line of said last-named street extended to Dorchester bay. First Assistant Assessor, John H. Donovan, and Second Assistant, Richard W. Smith.

District 36. — That part of Ward 24 lying northerly and westerly of a line beginning at the junction of Columbia and Quincy streets; thence by the centre lines of Quincy, Bowdoin, East, and Adams streets, Dorchester and Centre avenues, Centre and Washington streets, and Talbot avenue, to the boundary line of Ward 23. First Assistant Assessor, George E. Hall, and Second Assistant, William D. Lang.

District 37. — That part of Ward 24 lying southerly and westerly of a line beginning at the junction of Blue Hill avenue and Talbot avenue; thence by the centre lines of Talbot avenue, Washington and Ashmont streets, and Dorchester avenue, to Neponset river. First Assistant Assessor, Henry Pierce, and Second Assistant, John A. Dillon.

District 38. — That part of Ward 24 lying easterly and southerly of a line beginning at Dorchester bay at the centre line of Park street extended; thence by said extended line and the centre line of Park street, Dorchester avenue, Centre avenue, Centre, Washington, and Ashmont streets, and Dorchester avenue, to Neponset river. First Assistant Assessor, Richardson Hutchinson, and Second Assistant, John J. Dailey.

District 39. — That part of Ward 25 lying north and east of a line beginning at the boundary between the city of Boston and the town of Watertown; thence by the centre line of North

Beacon, Parsons, Washington, and Cambridge streets to Charles river. First Assistant Assessor, Benjamin M. Fiske, and Second Assistant, Patrick F. Carley.

District 40. — That part of Ward 25 lying south and west of a line beginning at the boundary between the cities of Boston and Cambridge; thence by the centre lines of Cambridge, Washington, Parsons, and North Beacon streets to the Charles river. First Assistant Assessor, George W. Warren, and Second Assistant, J. Harris Aubin.

TABLE A.

VALUATION of the Several Wards, the Total Valuation of the City, the Amount of Taxes as shown in the Warrant to the Collector, the Rate of Taxation on each \$1,000, and the Number of Polls as determined by the Board of Assessors, when the Rate of Taxation was fixed for 1891 to 1895, both years inclusive.

Wards.	1891.		1892.		1893.		1894.		1895.		1895.	
	Polls.	Valuation.	Polls.	Valuation.	Polls.	Valuation.	Polls.	Valuation.	Polls.	Valuation.	Polls.	Valuation.
1.	5,545	\$10,648,675	5,794	\$11,106,575	6,116	\$11,348,575	6,368	\$11,700,850	6,624	\$12,040,450		
2.	9,011	10,644,800	5,059	10,703,000	5,090	10,791,200	5,064	10,977,400	5,207	11,015,800		
3.	8,734	7,264,500	3,852	7,829,000	4,017	8,536,500	4,013	8,642,700	4,085	8,736,500		
4.	3,982	8,866,300	3,997	9,179,400	4,007	9,606,600	4,008	10,448,400	3,980	10,837,200		
5.	4,105	14,289,500	4,135	14,326,500	4,183	14,337,300	4,128	14,400,000	4,181	14,761,000		
6.	4,136	61,777,500	4,104	63,129,900	4,329	65,598,500	3,876	65,974,600	3,952	67,911,200		
7.	3,740	39,312,100	3,745	39,675,800	3,471	42,125,800	3,502	42,659,800	3,519	44,991,100		
8.	4,307	9,173,100	4,645	9,292,600	4,548	9,484,200	4,370	10,318,500	4,553	10,707,900		
9.	3,866	29,865,800	3,896	29,561,700	3,868	29,710,900	3,715	29,691,100	3,736	28,721,000		
10.	3,173	155,087,300	3,054	162,678,400	2,965	166,588,700	2,924	163,730,600	2,657	165,248,400		
11.	7,135	132,497,700	7,510	142,211,000	7,683	146,460,300	7,640	143,877,200	7,682	144,915,000		
12.	3,830	77,228,600	3,515	80,321,200	3,282	82,205,600	3,229	81,010,700	3,312	83,131,900		
13.	6,080	15,863,900	6,774	16,137,700	6,809	16,122,100	6,441	16,185,200	6,207	16,324,300		
14.	7,600	14,314,500	7,682	14,388,500	7,804	14,908,200	7,730	14,951,300	7,791	15,000,800		
15.	4,950	7,897,800	5,177	8,134,500	5,196	8,406,700	5,179	8,336,300	5,196	8,641,800		
16.	5,511	16,119,400	5,619	16,688,400	5,614	17,132,100	5,976	17,125,100	5,396	17,294,300		
17.	4,827	19,382,600	4,785	19,083,400	4,841	20,633,600	4,742	20,462,300	4,865	20,303,300		
18.	4,158	25,310,000	4,245	26,001,500	4,415	25,709,000	4,732	25,324,300	4,683	25,116,800		
19.	7,196	13,844,000	7,163	14,398,700	7,276	14,589,500	7,242	14,763,800	6,975	15,020,000		
20.	7,289	18,633,500	7,634	19,315,200	8,112	20,856,300	8,199	21,869,800	8,404	22,516,500		
21.	6,540	33,561,900	7,061	35,447,300	7,563	36,286,200	7,688	36,805,700	7,832	38,221,200		
22.	5,737	35,080,400	6,034	38,809,200	6,337	41,652,300	6,434	41,215,900	6,818	47,071,500		
23.	6,969	32,202,900	7,004	33,573,200	8,029	35,795,000	8,370	37,664,600	8,808	39,790,900		
24.	8,499	35,184,300	9,121	37,048,700	9,988	41,028,400	10,718	43,442,300	11,692	47,508,900		
25.	3,901	16,690,000	4,170	18,457,800	4,290	19,750,700	4,441	21,096,300	4,605	22,444,200		
Bank Stock *		14,774,140		14,557,329		14,315,976		13,324,492		13,007,978		
Totals	132,809	\$855,069,415	136,375	\$893,975,704	139,703	\$924,093,761	139,759	\$928,109,042	142,460	\$951,367,928		
Tax, including overlay,												
Rate per thousand		\$11,039,639 12		\$11,805,404 08		\$12,107,806		\$12,159,373		\$12,462,429 48		
No. of Male Polls		\$12 60		\$12 90		\$12 80		\$12 80		\$12 80		
" " Female "		132,809		136,375		139,703		139,759		142,460		
		411		735								

* Bank Stock separately assessed by authority of Section 8 of Chapter 13 of the Public Statutes.

TABLE B.

WARD.	YEAR.	Value of Land.	Value of Buildings.	Total.	WARD.	YEAR.	Value of Land.	Value of Buildings.	Total.
1	1895	\$4,432,050	\$6,649,200	\$11,081,250	14	1895	\$4,984,900	\$8,839,900	\$13,824,700
	1894	4,386,750	6,341,900	10,708,650		1894	4,968,200	8,698,400	13,666,600
	1893	4,334,175	6,025,000	10,359,175		1893	4,573,400	8,970,300	13,543,700
	1892	4,324,375	5,737,500	10,061,875		1892	4,920,000	8,326,300	13,246,300
	1891	4,281,675	5,344,600	9,626,275		1891	5,033,100	7,934,300	12,967,400
2	1895	4,840,550	5,530,150	10,370,700	15	1895	3,418,900	4,794,000	8,213,800
	1894	4,849,200	5,441,000	10,290,200		1894	3,267,000	4,631,200	7,898,800
	1893	4,798,300	5,271,800	10,070,100		1893	3,278,500	4,480,100	7,758,600
	1892	4,807,800	5,232,400	10,040,200		1892	3,180,100	4,325,300	7,505,400
	1891	4,792,500	5,152,100	9,944,600		1891	3,093,300	4,179,200	7,272,500
3	1895	4,029,400	3,804,900	7,834,300	16	1895	9,008,200	7,654,200	16,662,400
	1894	3,995,000	3,719,000	7,714,000		1894	9,055,900	7,426,800	16,482,700
	1893	3,980,100	3,649,100	7,629,200		1893	9,062,500	7,392,400	16,454,900
	1892	3,914,100	3,075,200	6,989,300		1892	8,636,100	7,388,800	16,024,900
	1891	3,386,400	3,019,109	6,405,500		1891	8,391,000	7,099,200	15,490,200
4	1895	5,842,800	4,208,400	10,051,200	17	1895	7,693,400	10,822,000	18,515,400
	1894	5,579,100	4,031,800	9,610,900		1894	7,696,500	10,789,800	18,486,300
	1893	4,890,000	3,927,400	8,817,400		1893	7,696,400	10,780,500	18,476,900
	1892	4,544,500	3,731,800	8,276,300		1892	7,486,600	10,139,800	17,626,400
	1891	4,498,700	3,446,500	7,945,200		1891	7,325,300	9,710,500	17,035,800
5	1895	6,748,800	5,304,700	12,053,500	18	1895	8,048,700	11,896,800	19,945,500
	1894	6,687,600	5,065,600	11,753,200		1894	8,016,400	11,810,800	19,827,200
	1893	6,606,900	4,962,100	11,569,000		1893	7,962,400	11,794,100	19,756,500
	1892	6,659,300	4,801,900	11,461,200		1892	7,927,500	11,722,100	19,649,600
	1891	6,501,350	4,807,650	11,309,000		1891	7,064,000	11,909,000	18,973,000
6	1895	34,151,700	16,899,300	51,041,000	19	1895	7,315,000	6,810,200	14,125,200
	1894	32,305,200	16,504,800	48,810,000		1894	6,898,100	6,983,500	13,881,600
	1893	32,291,200	16,176,200	48,467,400		1893	6,881,200	6,864,700	13,745,900
	1892	30,217,800	16,133,600	46,351,400		1892	6,800,300	6,665,900	13,466,100
	1891	29,204,300	15,558,300	44,762,600		1891	6,517,900	6,459,100	12,977,000
7	1895	26,293,000	11,361,900	37,654,900	20	1895	8,710,900	12,531,200	21,242,100
	1894	23,788,200	11,196,100	34,984,300		1894	8,449,600	11,895,700	20,345,300
	1893	23,203,400	10,980,400	34,183,800		1893	8,229,400	11,014,400	19,243,800
	1892	21,190,700	10,546,200	32,036,900		1892	7,891,400	9,893,200	17,784,600
	1891	20,518,600	10,557,700	31,076,300		1891	7,691,100	9,285,600	16,976,700
8	1895	5,272,100	4,930,500	10,202,600	21	1895	12,670,400	17,555,700	30,226,100
	1894	5,051,600	4,713,200	9,764,800		1894	12,224,000	16,929,600	29,153,600
	1893	4,946,300	3,984,300	8,930,600		1893	11,994,000	16,277,200	28,271,200
	1892	4,839,800	3,910,200	8,750,000		1892	11,722,700	15,395,500	27,118,600
	1891	4,666,800	3,894,100	8,560,900		1891	11,402,600	14,636,800	26,039,400
9	1895	8,928,000	8,253,600	17,181,600	22	1895	26,825,100	13,763,400	40,588,500
	1894	8,857,100	8,224,400	17,081,500		1894	26,123,000	12,606,000	38,729,000
	1893	8,812,300	8,175,300	16,987,600		1893	24,836,900	11,397,200	36,234,100
	1892	8,602,200	8,226,200	16,828,400		1892	23,956,200	10,283,700	34,239,900
	1891	8,390,100	8,225,400	16,615,500		1891	23,098,300	9,032,700	32,131,000
10	1895	102,216,700	30,150,300	132,367,000	23	1895	15,363,400	14,758,900	30,142,300
	1894	101,457,600	29,814,400	131,272,000		1894	14,457,100	13,937,900	28,395,000
	1893	101,845,100	29,011,400	130,856,500		1893	13,045,100	12,091,000	26,036,100
	1892	97,582,000	29,670,200	127,252,200		1892	11,902,300	12,126,400	24,028,700
	1891	92,520,100	28,537,100	121,057,200		1891	11,477,500	11,222,300	22,699,800
11	1895	49,602,100	43,305,400	92,907,500	24	1895	17,221,300	24,142,400	41,363,700
	1894	49,137,600	42,947,800	92,085,400		1894	15,624,000	21,780,900	37,404,900
	1893	49,106,000	42,644,600	91,750,600		1893	14,879,000	20,187,600	35,066,600
	1892	47,046,300	41,320,200	88,366,500		1892	13,760,200	18,205,700	32,065,900
	1891	43,280,700	40,384,300	83,665,000		1891	12,730,000	16,543,000	29,273,000
12	1895	39,776,800	22,546,600	62,323,400	25	1895	11,109,300	8,080,300	19,189,600
	1894	39,179,200	22,131,900	61,311,100		1894	10,870,800	7,668,600	18,539,200
	1893	38,952,400	21,706,000	60,658,400		1893	10,456,400	6,999,700	17,456,100
	1892	37,801,400	21,490,500	59,291,900		1892	10,045,500	6,377,900	16,423,400
	1891	36,816,100	20,578,400	57,394,500		1891	9,234,900	5,558,600	14,793,500
13	1895	9,201,500	6,462,300	15,663,800	Totals.	1895	433,694,900	311,056,150	744,751,050
	1894	9,227,700	6,270,700	15,498,400		1894	422,132,850	301,611,000	723,743,850
	1893	9,094,000	6,254,100	15,348,100		1893	417,280,175	290,482,100	707,762,275
	1892	9,411,000	5,992,900	15,403,900		1892	399,170,175	281,109,700	680,279,875
	1891	9,383,300	5,810,000	15,193,300		1891	391,299,825	268,938,550	660,238,375

TABLE C.

WARDS.	Total Polls.	Of which Polls only.	Poll-tax Pay- ers owning Property.	Residents on Property. Individuals.	Non-residents on Property. Individuals.	Resident Firms, Trustees, all others, on Property.	Non-resident Firms, Trustees, all others, on Property.
1	6,624	5,540	1,084	2,152	238	264	18
2	5,207	4,739	405	1,011	101	230	18
3	4,085	3,653	432	834	92	156	8
4	3,980	3,501	479	908	175	249	10
5	4,181	3,803	378	640	114	224	24
6	3,952	3,689	263	452	343	1,228	6
7	3,519	3,255	264	772	74	761	23
8	4,253	3,963	290	567	65	168	14
9	3,736	3,375	361	637	129	391	53
10	2,657	2,427	250	365	429	1,213	164
11	7,682	6,260	1,432	2,387	383	967	132
12	3,312	3,225	87	291	270	960	95
13	6,207	5,859	348	705	44	256	8
14	7,791	6,927	864	1,684	76	379	16
15	5,196	4,551	645	1,222	94	146	10
16	5,396	5,160	236	567	60	292	8
17	4,865	4,536	329	772	66	280	8
18	4,683	4,085	598	1,344	63	331	5
19	6,975	6,410	565	1,158	70	300	6
20	8,404	7,548	856	1,949	76	203	4
21	7,832	6,421	1,411	2,656	120	562	17
22	6,818	5,972	946	1,583	127	365	21
23	8,808	6,612	2,196	4,492	339	575	31
24	11,692	8,973	2,619	5,386	240	905	44
25	4,605	3,809	796	1,416	152	251	18
Totals	142,400	124,283	18,177	35,971	3,940	11,595	661

TABLE D.

POPULATION AND VALUATION OF BOSTON FOR TWENTY YEARS.

Population by United States census of 1870—250,526. Population by State census of 1875—341,919. United States census of 1880—362,839. State census of 1885—390,393. United States census of 1890—448,477. State census of 1895—494,205.

Valuation and Rate.					Gain or Loss as compared with preceding Year.				
YEAR. ¹	Real Estate.	Personal Estate.	Total Valuation.	Rate Tax per \$1,000.	REAL ESTATE.		PERSONAL ESTATE.		YEAR. ¹
					Increase.	Decrease.	Increase.	Decrease.	
1875 . . .	\$358,941,000	\$235,020,895	\$793,961,895	\$13 70	\$4,740,850	\$22,783,100	\$9,534,005	\$4,793,155	1875
1876 . . .	528,157,900	222,838,310	748,996,210	12 70	..	..	..	44,965,685	1876
1877 . . .	481,407,200	203,433,586	684,840,786	13 10	..	44,750,709	..	17,404,924	1877
1878 . . .	440,375,900	190,070,966	630,446,866	12 80	..	41,031,300	..	15,362,420	1878
1879 . . .	428,777,000	184,545,692	613,322,692	12 50	..	11,598,900	..	5,825,274	1879
1880 . . .	437,370,100	201,092,395	638,462,495	15 20	8,563,100	..	\$17,546,703	\$26,139,803	1880
1881 . . .	455,388,600	210,105,997	665,554,597	13 90	18,018,500	..	8,973,602	26,062,102	1881
1882 . . .	467,704,150	204,703,812	672,497,962	15 10	12,316,550	..	5,462,185	6,833,365	1882
1883 . . .	478,318,900	204,713,771	682,432,671	14 50	10,614,750	..	590,041	10,024,709	1883
1884 . . .	488,130,600	194,520,058	682,656,658	17 00	9,811,700	..	9,587,713	223,987	1884
1885 . . .	497,973,400	189,605,672	685,579,072	12 80	7,842,800	..	4,920,386	2,922,414	1885
1886 . . .	517,503,275	193,118,060	710,621,335	12 70	21,529,875	..	3,512,388	25,042,263	1886
1887 . . .	547,171,175	200,471,342	747,642,517	13 40	29,057,900	..	7,363,282	37,021,182	1887
1888 . . .	563,013,275	201,439,273	764,452,548	13 40	15,842,100	..	967,931	16,810,031	1888
1889 . . .	593,799,975	202,633,769	795,433,744	12 90	30,786,700	..	194,496	30,981,196	1889
1890 . . .	619,990,275	202,051,525	822,041,800	13 30	29,190,300	..	417,756	26,608,056	1890
1891 . . .	650,228,375	204,831,040	855,069,415	12 60	30,248,100	..	2,779,515	33,027,615	1891
1892 . . .	680,279,875	213,095,829	893,975,704	12 90	30,041,500	..	8,864,788	38,906,288	1892
1893 . . .	707,762,275	216,331,476	924,093,751	12 80	27,482,400	..	2,635,648	30,118,048	1893
1894 . . .	723,743,850	204,365,192	928,109,042	12 80	15,981,675	..	..	4,015,291	1894
1895 . . .	744,751,050	206,616,878	951,367,928	12 80	21,007,200	..	2,251,686	23,258,886	1895

¹ Included in the total valuation of 1865, and all subsequent years, was an assessment upon corporations chartered by the Commonwealth of Massachusetts, for real estate and machinery. The last item is taxed as personal, and is the only personal estate taxable by local assessors to a Massachusetts corporation.

In 1892, 173 corporations were assessed as follows:

	Real Estate.	Machinery.	Total.
1884, 188	\$45,754,600	\$1,275,300	\$46,029,900
" 1894, 215	46,727,300	4,421,100	51,148,400
" 1895, 228	47,097,200	4,735,900	52,002,100
" 1896, 228	48,556,800	5,249,000	53,805,800
" 1897, 225	50,012,400	5,305,300	55,317,700
" 1898, 228	52,551,600	5,354,000	57,905,600
" 1899, 228	53,339,300	5,941,000	59,280,300
" 1900, 225	59,539,000	5,949,100	65,488,100
" 1901, 235	64,338,200	6,128,200	70,466,400
" 1902, 236	66,614,000	5,960,800	72,574,800
" 1903, 251	71,006,800	6,421,100	77,427,900
" 1904, 259	74,892,200	7,299,100	82,191,300
" 1905, 279	80,271,000	8,101,000	88,372,000
" 1906, 279	82,453,600	9,017,000	91,470,600

The City of Charlestown and Towns of West Roxbury and Brighton were annexed to Boston in 1873, their valuation taking effect as a part of the city in 1874. Valuation of Charlestown in 1873 was \$26,046,400 real, \$24,255,522 personal, total \$50,301,922. Valuation of West Roxbury in 1873 was \$16,254,339 real, \$25,304,390 personal, total \$41,558,729. Valuation of Brighton in 1873 was \$11,984,430 real, \$2,584,081 personal, total \$14,568,511. By the U. S. census of 1870, the population of Charlestown was 28,023. " " " " West Roxbury " 8,681. " " " " Brighton " 4,367.

The valuation in 1873 of Boston and the municipalities that were annexed to the city in that year was \$765,154,213. In consequence of the Act of 1881 (taking effect in 1882), exempting money loaned on mortgage of real estate, the personal estate valuation receded, notwithstanding large gains were made upon the other items of personal estate.

TABLE E.

STATEMENT showing the Assessors' Valuation of the Real and Personal Property of the City of Boston, as of the first day of May, for Thirty-five Years, 1861 to 1895 inclusive. Also the Amount and Rate per cent. of Increase and Decrease in each Period of Ten Years.

YEARS.	Valuation First Term.	Valuation Second Term.	Amount of Increase in the ten years.	Amount of Decrease in the ten years.	Rate per cent. of Increase or Decrease in ten years.
1861 and 1871 ¹ . . .	\$275,760,100	\$612,663,550	\$336,903,450	. . . . .	122.17
1862 and 1872 . . .	276,217,000	682,724,300	406,507,300	. . . . .	147.16
1863 and 1873 . . .	302,507,200	693,831,400	391,324,200	. . . . .	129.36
1864 and 1874 ² . . .	332,449,900	798,755,050	466,305,150	. . . . .	140.26
1865 and 1875 . . .	371,892,775	793,961,895	422,069,120	. . . . .	113.49
1866 and 1876 . . .	415,362,345	748,996,210	333,633,865	. . . . .	80.
1867 and 1877 . . .	444,946,100	686,840,586	241,894,486	. . . . .	54.37
1868 and 1878 ¹ . . .	493,573,700	630,446,866	136,873,166	. . . . .	27.73
1869 and 1879 . . .	549,511,600	613,322,691	63,811,091	. . . . .	11.61
1870 and 1880 ³ . . .	584,089,400	639,462,495	55,373,095	. . . . .	9.48
1871 and 1881 . . .	612,663,550	665,554,597	52,891,047	. . . . .	8.63
1872 and 1882 . . .	682,724,300	672,497,962	. . . . .	\$10,226,339	1.50
1873 and 1883 . . .	693,831,400	682,432,671	. . . . .	11,398,729	1.64
1874 and 1884 ² . . .	798,755,050	682,656,657	. . . . .	116,098,393	14.53
1875 and 1885 . . .	793,961,895	685,579,072	. . . . .	108,382,823	13.62
1876 and 1886 . . .	748,996,210	710,621,360	. . . . .	38,374,850	5.12
1877 and 1887 . . .	686,840,586	747,612,517	60,801,931	. . . . .	8.85
1878 and 1888 . . .	630,446,866	764,452,548	134,005,682	. . . . .	21.25
1879 and 1889 . . .	613,322,691	795,433,744	182,111,053	. . . . .	29.69
1880 and 1890 . . .	639,462,495	822,041,800	182,579,305	. . . . .	28.55
1881 and 1891 . . .	665,554,597	855,069,415	189,514,818	. . . . .	28.47
1882 and 1892 . . .	672,497,962	893,975,704	221,477,742	. . . . .	32.93
1883 and 1893 . . .	682,432,671	924,093,751	241,661,080	. . . . .	35.41
1884 and 1894 . . .	682,656,657	928,109,042	245,452,447	. . . . .	35.95
1885 and 1895 . . .	685,579,072	951,367,928	265,788,856	. . . . .	38.76

¹ The City of Roxbury, with a valuation of \$26,551,700, united with Boston, 1867, its valuation first taking effect as a part of Boston in 1868.

The Town of Dorchester, with a valuation of \$20,315,700, united with Boston in 1869, its valuation first taking effect as a part of Boston in 1870.

² The City of Charlestown, with a valuation of \$35,290,642, the Town of West Roxbury, with \$22,143,600 valuation, and the Town of Brighton, with a valuation of \$14,548,531, annexed to Boston in 1873, their united valuation taking effect in 1874 as part of the City of Boston.

TABLE F.

AMOUNT AND RATE OF TAXATION FOR TWENTY YEARS.

The several amounts are those of the warrants of State, County, and City authorities to the Assessors. For detail see page 2.

The warrant to the Collector determines the rate of taxation, for amount of which see page 2.

YEAR.	State Tax.	City and County Tax.	Total Tax.	Rate Tax per \$1,000.		
				State.	City and County.	TOTAL.
1876	\$742,032	\$8,527,872	\$9,270,804	\$1 02	\$11 68	\$12 70
1877	619,110	8,135,104	8,754,214	0 93	12 17	13 10
1878	412,740	7,406,410	7,879,150	0 67	12 13	12 80

YEAR.	State Tax.	County Tax.	City Tax.	Total Tax.	Rate per \$1,000.			TOTAL.
					State.	County.	City.	
1879 ¹	\$206,370	\$309,200	\$6,916,940	\$7,492,510	\$0 20	\$0 46	\$11 84	\$12 50
1880 .	619,110	260,000	8,587,788	9,466,896	0 86	0 27	14 07	15 20
1881 .	619,110	260,000	8,179,282	9,052,392	0 81	0 26	12 84	13 00
1882 .	825,480	291,200	8,798,073	9,914,753	1 12	0 29	13 69	15 10
1883 .	578,055	291,200	8,778,356	9,647,811	0 72	0 26	13 50	14 50
1884 .	770,740	301,500	10,218,029	11,288,369	1 00	0 29	15 71	17 00
1885 .	578,055	301,500	7,814,092	8,693,747	0 71	0 27	11 82	12 80
1886 .	555,870	386,508	7,897,240	8,839,678	0 65	0 40	11 65	12 70
1887 .	833,805	528,735	8,527,559	9,889,099	1 00	0 57	11 83	13 40
1888 .	833,805	648,144	8,520,783	10,023,032	0 97	0 74	11 69	13 40
1889 .	2 759,518	735,191	8,578,960	10,073,669	0 83	0 80	11 27	12 90
1890 .	2 673,824	790,294	9,220,280	10,684,398	0 69	0 85	11 76	13 30
1891 .	2 581,571	614,549	9,549,491	10,745,611	0 53	0 57	11 50	12 60
1892 .	2 680,744	804,294	9,881,451	11,366,489	0 63	0 77	11 50	12 90
1893 .	2 604,336	808,377	9,900,660	11,313,373	0 62	0 75	11 13	12 80
1894 .	4 811,337	867,306	10,034,358	11,713,001	0 75	0 81	11 24	12 80
1895 .	4 652,490	924,725	10,482,653	12,069,868	0 55	0 85	11 40	12 80

¹ Chap. 299 of the Acts of the year 1879 (now Sect. 48 of Chap. 11, Public Statutes) required that the State Tax and County Tax should be assessed on polls, *provided* that each of such taxes shall not exceed the sum of one dollar (two dollars for the entire tax upon each poll). The excess above the amount so raised must be assessed on property. In the above table the sums stated in the columns of STATE TAX and COUNTY TAX, respectively, are the whole amounts required to be raised, and the figures in the columns of RATE show the amount per \$1,000 for which *property* was assessed to make up the deficiency after the polls had been assessed at one dollar each for State and County purposes.

² Chap. 384 of the Acts of 1888 provides for the erection of armories in Boston, and for the extinguishment of the debt created therefor by a special tax upon the city.

The State Tax for the year 1889 includes the special tax for armories, amounting to \$21,498.

The State Tax for the years 1890, 1891, 1892, 1893, 1894, and 1895 includes the special tax for armories, amounting to \$28,050.

³ Chap. 339 of the Acts of 1889 provides for the building and maintenance of a system of sewerage for the Charles and Mystic valleys, and for the payment of the debt therefor by special tax on the cities and towns benefited.

The State Tax for 1892 includes the special tax for Metropolitan sewers, amounting to \$12,626.

The State Tax for 1893 includes the special tax for Metropolitan sewers, amounting to \$21,805.

The State Tax for 1894 includes the special tax for Metropolitan sewers, amounting to \$46,517.

The State Tax for 1895 includes the special tax for Metropolitan sewers, amounting to \$59,702.

⁴ Chap. 428 of the Acts of 1890, amended by Sect. 1 of Chap. 283 of the Acts of 1893, provides for the assessment and apportionment of the expenses for the abolition of grade crossings.

The State Tax for 1894 includes the special tax for the abolition of a grade crossing at West Fourth street, amounting to \$5,263 04.

The State Tax for 1895 includes the special tax for the abolition of the several grade crossings, as enumerated on page 2 of this report, amounting to \$25,812.

TABLE G.
APPROXIMATE VALUE OF THE DWELLING-HOUSES (INCLUDING HOTELS) IN BOSTON, MAY 1, 1895.

VALUE.					No. of Houses.	Hotels.	Family Hotels.
Value less than \$1,000					3,305		
"	\$1,000	and	less	than \$2,000	8,637		
"	2,000	"	"	3,000	10,460		
"	3,000	"	"	4,000	8,548		
"	4,000	"	"	5,000	5,340		6
"	5,000	"	"	6,000	3,653		4
"	6,000	"	"	7,000	2,830		8
"	7,000	"	"	8,000	2,130		12
"	8,000	"	"	9,000	1,991		13
"	9,000	"	"	10,000	1,602	1	12
"	10,000	"	"	11,000	1,014		25
"	11,000	"	"	12,000	959		8
"	12,000	"	"	13,000	667		24
"	13,000	"	"	14,000	620		8
"	14,000	"	"	15,000	693	1	20
"	15,000	"	"	16,000	581	1	10
"	16,000	"	"	17,000	412	2	14
"	17,000	"	"	18,000	399		14
"	18,000	"	"	19,000	461		13
"	19,000	"	"	20,000	338	2	17
"	20,000	"	"	21,000	319		30
"	21,000	"	"	22,000	340	3	17
"	22,000	"	"	23,000	292		14
"	23,000	"	"	24,000	257		18
"	24,000	"	"	25,000	210		17
"	25,000	"	"	26,000	194		11
"	26,000	"	"	27,000	268	4	10
"	27,000	"	"	28,000	191		14
"	28,000	"	"	29,000	249		12
"	29,000	"	"	30,000	215	2	13
"	30,000	"	"	31,000	207		10
"	31,000	"	"	32,000	81		18
"	32,000	"	"	33,000	76	1	8
"	33,000	"	"	34,000	81		10
"	34,000	"	"	35,000	101	2	14
"	35,000	"	"	36,000	78		12
"	36,000	"	"	37,000	119		8
"	37,000	"	"	38,000	107		3
"	38,000	"	"	39,000	91		6
"	39,000	"	"	40,000	77		5
"	40,000	"	"	41,000	71	1	10
"	41,000	"	"	42,000	65		4
"	42,000	"	"	43,000	64	2	8
"	43,000	"	"	44,000	53	2	6
"	44,000	"	"	45,000	78		11
"	45,000	"	"	46,000	41		6
"	46,000	"	"	47,000	72	1	2
"	47,000	"	"	48,000	54		5
"	48,000	"	"	49,000	53		
"	49,000	"	"	50,000	38	2	1
"	50,000	"	"	51,000	37	2	3
"	51,000	"	"	52,000	41		
"	52,000	"	"	53,000	54		
"	53,000	"	"	54,000	40		
"	54,000	"	"	55,000	37	1	
"	55,000	"	"	56,000	34		
"	56,000	"	"	57,000	32	3	2
"	57,000	"	"	58,000	29		2
"	58,000	"	"	59,000	27		1
"	59,000	"	"	60,000	29		
"	60,000	"	"	61,000	23	1	3
"	61,000	"	"	62,000	21		
"	62,000	"	"	63,000	9		
"	63,000	"	"	64,000	22	1	1
Carried forward					59,126	35	515

APPROXIMATE VALUE OF THE DWELLING-HOUSES (INCLUDING HOTELS) IN
BOSTON, MAY 1, 1895. — *Concluded.*

VALUE.	No. of Houses.	Hotels.	Family Hotels.
<i>Brought forward</i>	59,389	55	540
147,000			1 Hotel Ikley.
151,000			1 Hotel Waquoit.
29 Beacon Street	2		
30 " "			
155,000			
160,000		1	Hotel Windemere.
162,000			1 Hotel Austerfield.
165,000			1 Exeter Chambers.
448 Beacon Street	1		
170,000			
172,000			1 Somerset Club.
174,000			1 Hotel Belvoir.
366 Commonwealth Avenue	1		
175,000			
177,000			1 Cor. Beacon and Charles.
183,000			1 Hotel Lagrange.
185,000			1 Hotel Hamilton.
186,000		1	1 Hotel Ludlow.
188,000			1 Coolidge House.
196,000		1	1 Bowdoin House.
200,000			1 Hotel Sanford.
12 Arlington Street	1		1 Waverley House.
355 Commonwealth Avenue	1		
210,000			
213,000		1	Hotel Plaza.
214,000			1 Hotel Newbury.
217,000			1 Hotel Cluny.
306 Dartmouth Street	1		
224,000			
228,000			1 Continental Block.
229,000		1	Boston Tavern.
245,000		1	Brigham's Hotel.
249,000		1	Hotel Reynolds.
264,000		1	191 Commonwealth Ave.
Hotel Huntington		1	1 Hotel Bristol.
275,000			1 Clark's Hotel.
278,000			1 The Warren.
287,000			
Hoffman House			
294,000			
296,000		1	Revere House.
300,000		2	1 Hotel Kingston.
301,000			1 Hotel Victoria.
325,000		1	The Langham.
345,000		2	The Tudor.
Copley Square Hotel		1	1 Hotel Oxford.
350,000			American House.
375,000		1	
379,000		1	Hotel Charlesgate.
Hotel Thorndike		1	Crawford House.
465,000			
492,000		1	Hotel Pelham.
495,000		1	Hotel Berkeley.
583,000		1	Quincy House.
Vendome Hotel		1	
650,000			
Hotel Brunswick		1	
686,000			
868,000		1	Young's Hotel.
880,000		1	Adam's House.
885,000		1	U.S. Hotel.
1,094,000		1	Parker House.
Grand totals	59,396	83	560

TABLE H.
STATISTICS OF BOSTON, MAY 1, 1895.

WARD.	Number of Dwelling-Houses.	Number of Vacant Houses.	Value of Vacant Houses.	Hotels.	Family Hotels.	Houses Erecting.	Stores.	Miscellaneous Buildings.	Horses.	Cows.	Feet of Land.	Feet of Vacant Land.	Value of Vacant Land.	Feet of Marsh Land and Flats.	Value of Marsh Land and Flats.
1	3,068	55	\$117,200	1	1	39	1	214	380	1	22,779,330	12,581,854	973,600	40,244,256	\$276,100
2	1,873	24	35,000	1	1	3	1	364	376	1	9,363,178	664,151	127,300	5,542,603	892,700
3	1,616	16	64,400	1	1	1	1	175	303	1	6,557,604	63,051	41,300	749,398	195,700
4	1,885	50	167,000	1	1	1	1	404	1,043	1	8,205,096	501,941	138,100	1,879,217	24,900
5	1,466	31	95,450	1	5	1	19	115	749	1	5,266,937	75,081	88,200	1	1
6	1,231	2	7,600	3	1	1	967	65	720	1	5,379,768	46,501	61,300	1	1
7	922	44	418,000	19	4	5	678	142	356	1	2,798,624	3,891	15,900	1	1
8	1,183	33	151,300	3	4	1	24	43	87	1	2,124,082	19,414	27,100	1	1
9	1,484	37	369,000	1	33	1	7	87	1	1	2,486,501	132,341	304,000	1	1
10	552	48	679,000	26	3	1	620	48	754	1	3,346,919	35,661	1,242,200	1	1
11	3,064	42	456,800	9	136	21	39	137	690	1	11,773,309	709,161	2,125,900	1	1
12	787	41	180,400	5	19	2	754	76	210	1	6,393,950	119,781	547,100	1	1
13	1,914	12	42,000	3	1	1	16	309	516	1	12,143,730	903,691	423,500	1,284,917	131,600
14	3,374	119	257,800	1	1	22	30	277	456	1	12,704,369	2,581,631	780,800	3,711,058	83,600
15	2,285	50	137,100	1	5	8	27	206	582	1	9,069,708	2,089,481	370,100	9,520,964	836,100
16	1,365	83	466,800	3	69	5	57	68	242	1	2,561,628	132,261	361,800	66,119	24,600
17	1,568	43	231,100	1	40	1	1	126	1	1	4,459,771	336,691	331,600	439,298	210,100
18	1,809	58	422,000	1	32	1	7	55	130	1	4,097,571	311,971	423,000	1	1
19	2,408	44	167,700	2	44	7	122	192	90	1	6,115,610	768,961	172,200	1	1
20	3,643	103	439,100	1	100	45	1	175	913	20	22,172,587	6,173,781	1,397,800	4,930,217	82,000
21	4,190	195	1,088,300	1	20	21	32	51	315	49	27,494,263	9,678,071	3,272,800	1	1
22	2,688	88	1,029,200	1	42	62	1	150	975	42	33,211,097	18,529,041	16,194,200	2,890,416	1,368,400
23	5,498	218	806,800	1	15	69	41	768	921	242	216,435,141	177,690,251	7,969,000	26,858,328	104,200
24	6,607	319	1,424,300	5	2	208	1	7	1,249	321	156,932,416	106,742,821	8,923,700	10,220,904	88,400
25	2,846	200	503,500	1	2	28	65	845	819	166	82,765,375	65,208,241	7,229,000	1	1
	59,396	1,964	\$9,745,350	83	590	545	3,506	5,100	12,576	840	676,640,964	406,072,678	52,143,400	108,144,695	\$3,818,400

The figures given in the above table relate to property and areas that are assessed (see foot-note, page 3). A large amount of property, streets, parks, squares, etc., covering extensive tracts of land, is excluded from this statement, as they are exempt from taxation. Some of the larger areas of untaxed property are given below.

PUBLIC PARKS.			
Flats, piers, and similar structures are excluded from this Supplementary Table, which includes only the areas of available upland.	Acres.	Acres.	
Islands in the harbor owned by the city	353	Charlesbank	10
Islands in the harbor owned by the United States	173	Charlestown Heights	41
United States Navy Yard (including timber docks)	91	Charlestown Playground	141
Lands owned by the Commonwealth of Massachusetts	108	Dorchester Park	26
		63 small parks in various parts of the city	82 9.10
		West Roxbury Way	180
		North Brighton Playground	14

Valuation of Property.

Rate of Taxation, and the Number of Polls, as shown in the Assessment of Taxes in the City of Boston from 1822 to 1895, both years inclusive.

YEAR.	Total Valuation.	Valuation Real Estate.	Valuation Personal Estate.	Rate of Taxation.	Ratable Polls.	Population.
1822	\$42,140,200	\$23,364,400	\$18,775,800	\$7.30	8,880	
1823	44,800,800	25,367,000	19,329,800	7.00	9,855	
1824	40,842,800	27,303,800	22,540,000	8.50	10,897	
1825	52,442,600	30,392,000	21,450,000	7.00	11,080	58,277
1826	59,449,200	34,203,000	25,246,200	7.00	12,602	
1827	65,558,400	36,081,400	29,707,000	7.00	12,442	
1828	61,523,200	35,008,000	26,019,200	7.10	12,535	
1829	61,068,000	36,953,800	24,104,200	7.90	13,495	
1830	59,588,000	36,960,000	22,525,000	8.10	13,096	61,392
1831	60,698,200	37,676,000	23,028,200	7.90	13,618	
1832	67,514,400	39,145,200	28,309,200	8.20	14,184	
1833	70,377,200	40,068,400	29,510,800	8.50	14,399	
1834	74,803,800	43,149,600	31,665,200	9.40	15,137	
1835	79,302,600	47,552,800	31,789,800	9.70	16,188	78,608
1836	88,265,000	53,379,000	34,895,000	9.50	16,719	
1837	89,583,800	56,311,600	39,272,200	10.00	17,182	
1838	99,231,600	57,372,400	32,859,200	9.80	18,615	
1839	91,828,400	58,577,800	33,248,600	11.30	16,561	
1840	94,581,600	60,424,200	34,157,400	11.00	17,968	93,383
1841	98,006,800	61,993,000	36,045,600	12.00	18,915	
1842	106,728,700	65,499,900	41,225,890	5.70	19,636	
1843	110,046,000	67,673,400	42,372,600	6.20	20,063	
1844	113,459,300	72,048,000	46,492,300	6.00	22,339	
1845	135,948,700	81,991,400	59,957,300	5.70	24,287	114,366
1846	148,839,600	90,119,600	58,720,000	6.00	25,974	
1847	162,360,400	97,784,500	61,595,300	6.00	27,008	
1848	167,728,000	100,403,200	67,324,800	6.50	27,726	
1849	174,180,200	102,827,500	71,352,760	6.50	28,363	
1850	180,009,500	105,093,400	74,907,100	6.80	28,018	136,881
1851	187,947,000	109,358,500	78,388,500	7.00	28,445	
1852	187,680,000	110,009,200	76,989,800	6.40	28,983	
1853	206,514,200	118,000,900	96,122,300	7.60	29,959	
1854	227,013,200	127,730,200	99,282,000	9.20	31,130	
1855	241,932,200	136,351,300	105,580,900	7.70	31,602	160,400
1856	249,162,500	143,681,700	105,480,500	8.00	32,974	
1857	258,111,900	149,713,800	108,398,100	9.80	33,162	
1858	254,714,100	153,505,300	101,298,800	8.60	32,621	
1859	263,429,000	158,410,900	105,018,100	9.70	33,456	
1860	276,861,000	163,991,300	112,969,700	9.30	34,449	177,840
1861	275,760,100	167,682,100	108,078,000	8.90	35,161	
1862	276,217,000	163,638,000	112,579,000	10.50	34,150	
1863	302,507,200	169,824,500	132,882,700	11.50	33,618	
1864	332,449,900	182,072,300	130,377,600	13.30	32,832	
1865	371,892,775	201,628,900	170,266,875	15.80	34,704	192,318
1866	415,862,345	225,767,215	189,505,130	13.00	34,192	
1867	444,948,100	250,557,700	194,358,400	15.50	35,772	
1868	493,573,700	287,635,800	205,937,000	12.30	48,416	
1869	549,511,600	332,051,000	217,469,700	13.70	51,195	
1870	584,089,100	365,593,100	218,406,300	15.30	56,926	250,526
1871	612,633,550	395,214,950	217,148,000	13.10	61,148	
1872	662,724,300	441,283,450	239,440,850	11.70	67,221	
1873	693,931,400	470,096,200	233,745,200	12.80	70,199	
1874	798,765,050	554,200,150	244,554,900	15.60	84,994	
1875	793,991,895	558,941,000	255,020,895	13.70	85,086	341,919
1876	748,896,210	526,157,900	222,808,310	12.70	81,364	
1877	696,440,586	481,407,200	205,432,386	13.10	86,007	
1878	630,446,666	440,375,900	199,070,966	12.80	85,913	
1879	613,322,692	428,777,000	184,576,692	12.50	89,452	
1880	630,462,495	437,370,100	202,092,895	15.20	93,769	362,839
1881	665,554,507	455,388,600	210,165,997	13.90	99,407	
1882	672,497,002	467,704,150	204,793,812	15.10	102,594	
1883	682,432,671	478,318,900	204,113,771	14.50	107,280	
1884	682,656,658	488,130,600	194,526,058	17.00	110,441	
1885	693,570,072	495,973,400	189,805,672	12.80	112,104	390,393
1886	710,621,335	517,503,275	193,118,060	12.70	112,446	
1887	747,642,517	547,771,175	200,471,342	13.40	115,603	
1888	761,452,548	563,043,275	201,439,273	13.40	120,529	
1889	795,423,744	593,709,975	201,633,769	12.90	123,335	
1890	822,541,800	619,990,275	202,051,525	13.30	125,006	448,477
1891	855,090,415	650,238,375	204,891,040	12.60	132,809	
1892	892,575,704	689,279,875	213,695,829	12.90	136,375	
1893	924,550,731	707,762,275	216,391,476	12.80	139,757	
1894	928,991,042	723,743,350	204,365,192	12.80	139,789	
1895	951,367,923	744,751,050	208,613,878	12.80	142,460	494,205

¹ From 1822 to 1842, inclusive, Poll-tax assessed on all males above 15 years of age.

1843, Poll-tax assessed on all males between 20 and 70 years of age.

1844 and thereafter, Poll-tax assessed on all males above 20 years of age.

² Roxbury annexed.

³ Dorchester annexed.

⁴ Brighton, Charlestown, and West Roxbury annexed.

ANNUAL REPORT
OF THE
AUDITING DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 3 — 1896.]

CITY OF BOSTON.

AUDITING DEPARTMENT,
CITY HALL, February 1, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston :

SIR: In compliance with the provisions of Chapter 3, Section 22, and Chapter 7, Section 10, of the Revised Ordinances of 1892, the undersigned herewith submits his report of the receipts and expenditures of the

CITY OF BOSTON

AND

COUNTY OF SUFFOLK

for the year commencing February 1, 1895, and ending January 31, 1896, together with the details of debt and property :

The balance in the treasury January 31, 1895, was		\$3,406,387 73
The receipts during the year have been as follows :		
From the Collector —		
On City account,	\$18,848,343 01	
On County account,	191,911 17	
	<hr/>	\$19,040,254 18
Sales of bonds :		
On City account,	\$6,228,850 00	
Cochituate Water-Works		
account,	500,000 00	
Mystic Water-Works account,	65,000 00	
	<hr/>	6,793,850 00
Temporary loans in anticipation of taxes,		5,850,000 00
Board of Commissioners of Sinking-Funds :		
For redemption of debt,	\$445,040 29	
Cost of redemption of debt,	1,354 59	
	<hr/>	446,394 88
Premium on loans negotiated,		436,212 50
Interest on bank deposits :		
General account,	\$53,229 48	
Franklin Trades School-Fund,	6,748 95	
	<hr/>	59,978 43
Pay-roll tailings :		
On City account,	\$5,998 14	
County account,	634 52	
	<hr/>	6,632 66
Carried forward,		<hr/>
	\$32,633,322 65	\$3,406,387 73

<i>Brought forward,</i>		\$32,633,822 65	\$3,406,387 73
Samuel E. Sawyer bequests:			
For Marcella-Street Home,	\$2,000 00		
Horace Mann School,	2,000 00		
	<hr/>	4,000 00	
Public Library Trust-Fund:			
Treadwell bequest,		534 60	
Premium on temporary loan,		122 25	
Tax-titles,		18 78	
		<hr/>	32,637,998 28
			<hr/>
			\$36,044,386 01

The payments have been as follows:

On drafts:			
On City account,		\$29,373,209 32	
On County account,		940,684 29	
		<hr/>	
		\$30,313,893 61	
To State:			
State tax,	\$538,920 00		
National bank tax,	588,907 77		
Liquor license			
revenue,	299,085 00		
Metropolitan sys-			
tem of sewer-			
age:			
Interest on loan,	84,897 50		
Maintenance,	17,483 00		
Assessment,	7,371 69		
Armory loan:			
Interest on loan,	18,000 00		
Assessment,	10,056 27		
Abolishment of grade			
crossings:			
Assessment,	22,590 99		
Interest,	8,220 95		
Corporation tax,	2,848 24		
	<hr/>	\$1,543,331 41	
Board of Commissioners of			
Sinking-Funds:			
Premiums on			
loans,	\$436,212 50		
Revenue collected,			
etc.,	176,704 87		
	<hr/>	612,917 37	
Investment of Trust Funds:			
Mt. Hope Cem-			
etery,	\$4,500 00		
Sawyer bequests,	4,000 00		
Public Library,	500 00		
Dorchester			
South Cem-			
etery,	100 00		
Evergreen Cem-			
etery,	100 00		
	<hr/>	9,200 00	
Pay-roll tailings:			
On City account,	\$4,713 38		
On County ac-			
count,	264 12		
	<hr/>	4,977 50	
<i>Carried forward,</i>		<hr/>	<hr/>
	\$2,170,426 28	\$30,313,893 61	\$36,044,386 01

AUDITOR'S REPORT.

5

<i>Brought forward,</i>	\$2,170,426 28	\$30,818,893 61	\$36,044,886 01
Refunds:			
Taxes,	\$2,004 23		
Cochituate water rates,	2,287 22		
Liquor licenses,	800 00		
Mystic water rates,	185 63		
Bail,	75 00		
Sewer assessments,	50 00		
Park betterments,	43 20		
Police income,	5 00		
	<hr/>	4,950 28	
Old Claims:			
On City account,	\$3,042 72		
On County account,	8 40		
	<hr/>	3,051 12	
City debt due prior to Feb. 1, 1895,	3,000 00		
Residue tax sales,	1,853 37		
County fines to complainants,	370 90		
Bounty for destruction of seals,	42 00		
Tax-titles,	18 78		
	<hr/>	2,183,712 73	
		<hr/>	32,497,606 34
Cash balance, January 31, 1896,			<u>\$3,546,779 67</u>
Drafts drawn by City Auditor, and approved by Mayor,		\$29,375,180 85	
Amounts allowed by County Auditor,		940,771 78	
		<hr/>	\$30,315,952 63
Add sundry payments by Treasurer detailed above, on City account,	\$2,182,952 31		
County account,	760 42		
	<hr/>	2,183,712 73	
		<hr/>	\$32,499,665 36
Payments by Treasurer:			
On City account,	\$31,556,161 63		
On County account,	941,444 71		
	<hr/>	\$32,497,606 34	
Add amount drawn by Auditor, but not paid,	2,059 02		
	<hr/>		<u>32,499,665 36</u>
The balance in the treasury is made up of the following items, viz.:			
Balances of appropriations carried to accounts of 1896-97,		\$3,323,400 57	
Excess of income, to meet appropriations of 1896-97,		22,218 18	
Excess of Cochituate Water Income, 1895-96,		109,036 68	
Excess of Mt. Hope Cemetery income, 1895-96,		2,290 40	
Cash belonging to the Board of Commissioners of Sinking-Funds,		47,371 08	
Laying out and construction of highways:			
Protested assessments,			
Sidewalk,	\$3,956 01		
Sewer construction,	3,245 61		
Street construction,	361 07		
	<hr/>	7,562 69	
Carried forward,			<u>\$3,511,879 60</u>

<i>Brought forward,</i>		\$3,511,879 60
Pay-roll tailings:		
On City account,	\$8,547 43	
On County account,	1,246 04	
	<hr/>	9,793 47
Old claims,		6,690 41
Duplicates and overpayments,		6,268 45
Residue of tax sales,		5,161 01
Temporary debt due in 1893-94 and not called for,		2,000 00
Bay State Gas Co., guarantee fund,		1,328 00
City debt, amount received from Board of Commissioners of Sinking-Funds with which to pay debt and not paid,		1,000 00
Cash belonging to Trust Funds:		
Public Library,	\$537 69	
Mount Hope Cemetery,	317 07	
Gibson School,	79	
	<hr/>	855 55
Tax titles,		597 31
Naturalization fees,		586 50
Daniel Preston lot,		381 15
Franklin park betterments, repayments,		238 22
		<hr/>
		\$3,546,779 67
		<hr/>

The City Treasurer has paid, with moneys received from the Board of Commissioners of Sinking-Funds and from taxes, the following amount of debt, the cost of redemption being \$1,354.59.

City Loans matured:		
Bearing 3 per cent. interest,	\$146,000 00	
Bearing 3½ per cent. interest,	80,000 00	
Bearing 4 per cent. interest,	25,000 00	
Bearing 6 per cent. interest,	3,000 00	
	<hr/>	\$254,000 00
Consolidated Street Improvement Loan, purchased in London, bearing 5 per cent. interest,		129,040 29
Mystic Water Loan matured, bearing 4 per cent. interest,		65,000 00
County Loan matured, bearing 8 per cent. interest,		17,000 00
		<hr/>
		\$465,040 29
		<hr/>

The following shows the amount, rate of interest, and term of the City Debt, exclusive of Water and County Debt issued:

	20 Years.	30 Years.	40 Years.	Total.
4 per cent.,	\$3,060,350 00	\$408,500 00	\$2,510,000 00	\$5,978,850 00
3½ per cent.,			250,000 00	250,000 00
	<hr/>	<hr/>	<hr/>	<hr/>
	\$3,060,350 00	\$408,500 00	\$2,760,000 00	\$6,228,850 00

The Cochituate Water Debt issued is as follows:

	30 Years.	Total.
4 per cent.,	\$500,000 00	\$500,000 00

The Mystic Water Debt issued is as follows:

	Not Exceeding Two Years.	Total.
4 per cent.,	\$65,000 00	\$65,000 00

Of the total amount of debt issued, \$6,793,850, the sum of \$2,543,850 was taken at par by the Board of Commissioners of Sinking-Funds or the various Trust-Funds held by the city, the balance being sold as follows:

4 Per Cent. 40 Years.	4 Per Cent. 30 Years.	4 Per Cent. 20 Years.	3½ Per Cent. 40 Years.
\$1,000,000 @ 113.91	\$500,000 @ 112.938	\$1,000,000 @ 103.679	\$250,000 @ 100.625
1,000,000 @ 112.928		500,000 @ 112.938	

BORROWING CAPACITY OF 1896.

CITY OF BOSTON,
BOARD OF COMMISSIONERS OF SINKING FUNDS,
CITY HALL, January 6, 1896.

HON. JOSIAH QUINCY,
Mayor of the City of Boston :

SIR: In accordance with the provisions of Chapter 93, Acts of 1891, it is estimated that the amount which the city will be able to borrow during the present municipal year within the debt limit established by law is \$1,963,245, as per schedule annexed.

A. DAVIS WELD,
JOSEPH H. GRAY,
HENRY R. REED,
SAMUEL JOHNSON,
CHAS. H. ALLEN,
NATHANIEL J. RUST,

Board of Commissioners of Sinking Funds.

ALFRED T. TURNER,
City Treasurer.
JAMES H. DODGE,
City Auditor.

Total debt City and County,		\$65,271,080 77
Less Special Loans (Outside of limit),	\$15,500,000 00	
Cochituate Water Debt,	18,261,273 98	
Mystic Water Debt,	65,000 00	
County Debt (Outside of limit),	2,921,000 00	
	<hr/>	36,747,273 98
		<hr/>
		\$28,523,806 79
Sinking-Funds,	\$24,300,983 84	
Less Cochituate Water Sinking-Fund,	\$9,098,740 26	
Special Loans Sinking-Funds,	2,129,593 44	
County Court-House Sinking-Fund,	314,178 10	
	<hr/>	11,542,511 80
		<hr/>
		12,758,472 04
Debt, excluding Debts outside of limit and deducting Sinking-Funds for said debt,		<hr/>
		\$15,765,334 75
Two per cent. on \$902,579,186 average valuation for five years, less abatements,		\$18,051,582 72
Debt as above,		<hr/>
		15,765,334 75
Right to borrow, January 6, 1896,		\$2,286,247 97
April, 1896, interest on investments,		164,000 00
July, 1896, " " "		51,000 00
October, 1896, " " "		163,000 00
October, 1896, debt paid by appropriation,		17,000 00
November, 1896, appropriation for debt,		1,044,497 00
December, 1896, interest on sterling debt redeemed,		90,000 00
December, 1896, interest on bank deposits for year,		27,000 00
January, 1897, interest on investments,		48,000 00
		<hr/>
Carried forward,		\$3,890,744 97

<i>Brought forward,</i>	\$8,890,744 97
Less loans authorized, but not negotiated,	1,922,500 00
Right to borrow under Chap. 93, Acts of 1891,	<u>\$1,968,244 97</u>

The following statement shows the amount that the city had a right to borrow, January 31, 1896 :

Total Debt City and County,		\$65,665,774 64
Less Special Loans (Outside of limit),	\$15,900,000 00	
Cochituate Water Debt,	18,261,273 98	
County Debt (Outside of limit),	<u>2,921,000 00</u>	
		37,082,273 98
		<u>\$28,583,500 66</u>
Sinking-Funds,	\$24,324,566 93	
Less Cochituate Water Sinking-Fund,	\$9,099,966 39	
Special Loans Sinking-Funds,	2,132,055 94	
County Court-House Sinking-Fund,	<u>314,396 30</u>	
	11,546,418 63	12,778,148 30
Debt, excluding Debts outside of limit and deducting Sinking-Funds for said debt,		<u>\$15,805,352 36</u>
Two per cent. on \$902,579,136 average valuation for five years, less abatements,		\$18,051,582 72
Debt as above,		<u>15,805,352 36</u>
Right to borrow, under Chap. 178, Acts of 1885, January 31, 1896,		\$2,246,230 36
Less loans authorized but not issued, inside of limit,		<u>1,772,000 00</u>
		<u>\$474,230 36</u>
Right to borrow, under Chap. 93, Acts of 1891, January 31, 1896, estimated,		\$8,740,244 97
Less loans authorized but not issued, inside of limit,		<u>1,772,000 00</u>
		<u>\$1,968,244 97</u>

THE DEBT OF THE CITY AND COUNTY.

The amount of the debt of the City and County, of all kinds; January 31, 1895, was,	\$59,337,964 93
Add amount of bonds issued on account of City during the year 1895-96,	6,793,850 00
	<u>\$66,131,814 93</u>
Less amount of <i>funded</i> debt paid during the year 1895-96,	465,040 29
Total funded debt, January 31, 1896, ²	<u>\$65,666,774 64</u>

¹ Chap. 178, Acts of 1885, authorizes the City to borrow an amount not exceeding two per cent. of the average valuation for five years less abatements, and Chap. 93, Acts of 1891, authorizes the City to anticipate its authority to borrow money within its debt limit for any current municipal year.

² The City Treasurer has \$1,000 in treasury, to redeem debt due, but not presented for payment.

Total debt, January 31, 1896,	\$65,666,774 64
Total debt, January 31, 1895,	59,337,964 98
Showing an <i>increase</i> of the debt in 1895-96,	<u>\$6,328,809 71</u>

The indebtedness, as stated above, is classified as follows :

City Debt proper,	\$43,740,500 66
County Debt,	3,665,000 00
Cochituate Water Debt,	18,261,273 98
Total as above,	<u>\$65,666,774 64</u>

The Means on Hand for Paying the Debt.

Sinking-funds in charge of the Board of Commissioners of Sinking-Funds,	\$24,324,566 93
Sidewalk, Sewer, and Street Construction Assessments and Betterments, payments on which are made to the Board of Commissioners of Sinking-Funds,	647,854 99
Cash in treasury,	1,000 00
Total redemption means, January 31, 1896,	\$24,973,421 92
Total redemption means, January 31, 1895,	22,206,541 20
Increase of means in 1895-96,	<u>\$2,766,880 72</u>

The Debt of the City and County, Less Means for Paying it.

Total debt of all descriptions, of the City of Boston and County of Suffolk, January 31, 1896,	\$65,666,774 64
Total means on hand for paying the same, January 31, 1896,	24,973,421 92
The debt, less means, January 31, 1896,	<u>\$40,693,352 72</u>
The debt of the City and County, less the means for paying the same, January 31, 1896,	\$40,693,352 72
The debt, less means, January 31, 1895,	37,131,423 73
An increase of the debt, less means for paying the same,	<u>\$3,561,928 99</u>

City and County Debt, exclusive of Cochituate Water Debt, Sinking-funds, and cash in treasury for its payment,	\$47,405,500 66
	15,225,600 54
	<u>\$32,179,900 12</u>
Betterments, etc., pledged for payment of debt,	647,854 99
City and County debt, exclusive of Water Debt, less means for paying,	<u>\$31,532,045 13</u>

Cochituate Water Debt,	\$18,261,273 98
Cochituate Water Sinking-Fund,	9,099,966 39
Water Loans, less means for paying,	<u>\$9,161,307 59</u>

The following table shows the valuation, average valuation for five years less abatements, appropriation order, tax warrant, and rate of taxation since 1885 :

YEAR.	Valuation May 1.	Average Valuation for 5 years, less abatements to Dec. 31 of previous year.	Appropriation Order.	Tax Warrant	Tax Rate.
1885	\$685,579,072	\$661,011,070	\$10,508,100	\$8,999,648 13	\$12 80
1886	710,621,335	670,035,172	10,553,690	9,249,927 95	12 70
1887	747,642,517	678,763,000	11,654,094	10,249,778 23	13 40
1888	764,452,548	694,078,430	11,450,307	10,484,889 14	13 40
1889	795,433,744	711,071,286	11,725,241	10,507,804 80	12 90
1890	822,041,600	733,736,943	12,489,814	11,187,602 44	13 30
1891	855,069,415	761,236,068	12,799,430	11,039,698 12	12 60
1892	893,975,704	790,036,144	13,600,420	11,805,404 08	12 90
1893	924,093,751	819,313,202	13,465,627	12,107,046 64	12 80
1894	928,109,043	850,076,262	13,391,754	12,157,649 57	12 80
1895	951,367,928	876,794,300	14,013,043	12,459,772 38	12 80
1896 . . . .	.....	902,579,136	14,544,461		

APPROPRIATIONS AND PAYMENTS.

CITY AND COUNTY.

1895-96.

OBJECT OF APPROPRIATIONS.	Balance from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balance to 1896-97.	Loans authorized but not issued.
Architect Department . . . . .	..	..	..	\$10,076 15	\$10,076 15	\$10,076 15		
Assessing Department . . . . .	..	..	..	138,522 39	138,522 39	138,522 39		
Auditing Department . . . . .	..	..	..	29,700 00	29,700 00	29,700 00		
Board of Aldermen :								
Salaries of Board . . . . .	..	..	..	18,000 00	18,000 00	18,000 00		
Contingent Expenses . . . . .	..	..	..	7,543 75	7,543 75	7,543 75		
Soldiers' Relief . . . . .	..	..	..	63,000 00	334,094 45	204,311 30	\$129,783 15	
Building Department :								
Department Expenses . . . . .	..	..	..	70,433 89	70,433 89	70,433 89		
Board of Appeal . . . . .	..	..	..	983 75	983 75	983 75		
Bust of John Boyle O'Reilly	1,500 00	..	..	..	1,500 00	..	1,500 00	
Bust of Oliver Wendell Holmes	1,500 00	..	..	..	1,500 00	300 00	1,200 00	
City Clerk Department . . . . .	..	1,200 00	..	43,038 11	44,238 11	44,238 11		
City Council . . . . .	..	..	..	..	..	..
Contingent Fund, Joint Committees . . . . .	..	..	..	5,499 60	5,499 60	5,499 60		
Incidental Expenses . . . . .	..	22,326 10	..	25,750 00	48,076 10	48,076 10		
City Council Proceedings . . . . .	..	..	..	17,529 76	17,529 76	17,529 76		
City Debt Redemption :								
City Debt . . . . .	..	..	..	1,254,704 00	1,254,704 00	1,254,704 00		
Interest	84,066 94	..	..	1,645,000 00	1,729,066 94	1,604,823 14	124,243 80	
City Loans, Redemption of . . . . .	..	446,394 88	..	..	446,394 88	446,394 88		
<i>Carried forward</i>	\$212,945 52	\$615,136 85	..	\$3,329,781 40	\$4,157,863 77	\$3,901,136 82	\$256,726 95	

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balance to 1896-97.	Loans authorized but not issued.
<i>Brought forward</i>	\$212,945 52	\$615,136 85		\$3,320,781 40	\$4,157,863 77	\$3,901,136 82	\$256,726 95	
Payments to Date		57 68		27,290 00	27,347 68	27,347 68		
Redemption of City Debt Proper, \$380,040.29				12,606 20	12,606 20	12,606 20		
Redemption of Mystic Water Debt, \$65,000.00				92,693 72	92,693 72	92,693 72		
Cost of Redemption of Matured Bonds, \$1,354.59								
City Messenger Department				4,637 37	4,637 37	4,637 37		
Clerk of Commissioners Department				7,528 34	7,528 34	7,528 34		
Collecting Department					2,342 25	2,342 25		
Common Council:								
Clerk's expenses				79,264 56	103,044 15	103,044 15		
Contingent expenses				53,495 31	53,495 31	53,495 31		
Damages by Dogs, etc.		2,342 25						
Election Department		24,379 59						
Engineering Department								
Fire Department:								
Department Expenses				1,099,999 69	1,099,999 69	1,099,999 69		
Fire-bent No. 2	36,043 75				36,043 75	36,043 75		
Franklin Trades School Fund	334,417 22	6,748 95			341,166 17	88 67	341,077 50	
Health Department		1,508 37		188,244 81	159,753 18	159,753 18		
Hospital Department:								
Department expenses		21,400 00		263,017 92	284,417 92	284,417 92		\$28,500 00
Elevators	4,000 00				4,000 00		4,000 00	
New Buildings, City Hospital	214,459 37		\$33,500 00		647,959 37	378,237 82	169,721 55	
Improved Sewerage			67,650 00		67,650 00	32,109 42	35,450 58	
Inspection of Milk and Vinegar Department				6,400 74	6,400 74	6,400 74		
Inspection of Provisions Department				1,571 16	1,571 16	1,571 16		
<i>Carried forward</i>	\$801,865 86	\$671,573 69	\$401,150 00	\$5,136,501 22	\$7,011,180 77	\$6,204,204 19	\$806,976 58	\$28,500 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
<i>Brought forward</i>	\$501,865 86	\$671,673 69	\$401,150 00	\$5,136,591 22	\$7,011,180 77	\$6,204,204 19	\$806,976 58	\$28,500 00
Institutions Department								
Department Expenses		20,250 00		671,422 96	691,672 96	691,672 96		
Barn, Long Island	1,404 37				1,404 37		1,404 37	
Chapel and Administration Building, Long Island			20,000 00		20,000 00	19,463 15	536 85	
House of Industry, Alterations and Additions			50,000 00		50,000 00	3,773 37		\$75,000 00
New Buildings, Long Island	20,898 86				20,898 86	20,898 86	40,226 63	
New Lunatic Hospital	52,813 12				52,813 12	20,070 20		5,100 00
New Lunatic Hospital, furnishing			9,995 32		9,995 32	9,995 32		
Parental School for Boys	3,475 73				3,475 73	3,475 73		
Parental School for Boys, furnishing			3,504 51		3,504 51	3,504 51		
Parental School for Boys, alterations			1,495 49		1,495 49	1,495 49		
Parental School, new buildings and furnishing			50,000 00		50,000 00	250 00	49,750 00	
Lamp Department				582,418 66	582,418 66	582,418 66		
Law Department				35,568 96	35,568 96	35,568 96		
Laying out and construction of Highways	60,656 63		650,000 00		710,656 63	569,282 99	141,373 64	850,000 00
Payments to date,								
Board of Survey								
Street Commissioners								
Sewer Construction								
Street Construction								
Land Damages								
Interest on Debt		70,108 00			70,108 00	70,108 00		
Blue Hill and other avenues (Chap. 334, Acts 1895)			1,000,000 00		1,000,000 00	838,070 37	161,929 63	1,500,000 00
Payments to date,								
Sewer Construction								
Street Construction								
Land Damages								
Interest on Debt								
<i>Carried forward</i>	\$950,114 57	\$701,931 69	\$2,186,145 32	\$6,426,001 80	\$10,324,193 38	\$9,083,252 85	\$1,240,940 53	\$2,458,600 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
<i>Brought forward</i>	\$950,114 57	\$761,931 69	\$2,186,145 32	\$6,428,001 80	\$10,324,193 38	\$9,083,252 85	\$1,240,940 53	\$2,458,000 00
Library Department:								
Department Expenses	10,421 45	35,463 11		176,000 00	220,884 56	210,556 37	10,328 19	
Branch Library, West End	327 11				327 11	327 11		
Market Department		28 53		10,050 00	10,078 53	10,078 53		
Mayor		367 99		30,000 00	30,367 99	30,367 99		
Mount Hope Cemetery Department	950 02	27,001 89		8,000 00	35,951 91	35,951 91	*2,290 40	
Overseeing of the Poor Department		5,718 52		129,000 00	125,718 52	125,718 52		
Parade Grounds, etc., for the Militia								125,000 00
Park Department:								
Department Expenses		5,000 00		109,756 33	114,756 33	114,756 33		
Public Parks	776,018 76		100,000 00		876,018 76	784,722 59	91,296 17	
Payments to date:								
Land								
Construction	89 75				89 75		89 75	
Public Park Lands	436 56		258,000 00		258,436 56	221,183 92	37,252 64	
Public Park, Wards 6 and 7	3,885 17				3,885 17	109 80	3,775 37	
Playstead, North Brighton			6,500 00		6,500 00		6,500 00	93,500 00
Strandway from Marine Park, west								
Phillips Street Fund, Income	7,761 46	1,200 00			8,961 46	2,357 39	6,604 07	
Police Department:								
Department Expenses	2 88	45,675 16	2 83	1,455,027 39	1,500,708 28	1,500,708 28		
New boat			2,700 00		2,700 00		2,700 00	47,300 00
Police (charitable Fund, Income	2,618 78	9,056 00			11,674 78	9,820 00	1,854 78	
Printing Department		11,843 60		26,240 00	38,083 60	38,083 60		
Public Buildings Department:								
Department Expenses		40,870 20		157,000 00	197,870 20	197,870 20		
Public Buildings, Schools		40,107 13		210,000 00	250,107 13	250,107 13		
<i>Carried forward</i>	\$1,752,626 51	\$984,203 82	\$2,533,348 17	\$8,727,055 52	\$14,017,324 02	\$12,613,602 12	\$1,403,631 90	\$2,724,400 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
<i>Brought forward</i>	\$1,752,626 51	\$984,263 82	\$2,553,348 17	\$8,727,085 52	\$14,017,324 02	\$12,613,692 12	\$1,403,631 90	\$2,724,400 00
Drainage of Faneuil Hall and Quincy Market-houses	10,000 00				10,000 00	1,725 46	8,274 54	
Engine-house and site, North End	32,000 00				32,000 00		32,000 00	
Engine-house No. 4, alterations	2,497 15				2,497 15	2,497 15		
Engine-house No. 6, alterations	2,897 81				2,897 81	2,897 81		
Engine-house No. 8, alterations	1,499 79				1,499 79	1,499 79		
Engine-house No. 10, remodeling			4,997 15		4,997 15	4,997 15		
Engine-house No. 27, remodeling	4,952 50				4,952 50	4,952 50		
Fire Department, Building and Site, So. Boston	317 70				317 70		317 70	
Fire Department Buildings, South Boston, repairs of	11,997 12				11,997 12	11,997 12		
Fire Department, Headquarters, etc.	32,108 65				32,108 65	32,108 65		
Ladder-house No. 1	633 61				633 61	633 61		
Ladder-house, Ward 19			30,000 00		30,000 00	8,245 26	21,754 74	
Library Building, Dartmouth street	152,956 99		150,500 00		303,456 99	103,473 82	139,983 17	
Public Library, West Church, remodeling and furnishing			44,000 00		44,000 00	2,600 08	41,339 92	
Public Celebrations		397 41		26,492 57		18,018 44	11,981 56	
Public Grounds Department: Department Expenses		4,561 18		90,000 00		26,889 98		
City Nursery and Greenhouses, additional land					94,561 18	94,561 18		
City Nursery and Greenhouses, storehouses, etc.			8,039 68		8,039 68	8,039 68		
Commonwealth Park, gymnasium			10,400 32		10,400 32	10,187 67	272 65	15,000 00
Highland Park			7,193 81		7,193 81	6,906 06	887 75	
Independence Square and Thomas Park			21,000 00		21,000 00	16,519 24	4,480 76	
<i>Carried forward</i>	\$2,004,457 83	\$989,222 41	\$2,859,539 13	\$8,843,578 09	\$14,696,827 46	\$13,031,902 77	\$1,664,924 69	\$2,739,400 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
<i>Brought forward</i>	\$2,004,457 83	\$980,222 41	\$2,850,539 13	\$6,843,578 09	\$14,006,827 46	\$13,081,902 77	\$1,664,924 69	\$2,730,400 00
Playstead, Neponset	296 84				296 84		296 84	15,000 00
Tudor Bequest	10,228 56		1,250,000 00		1,260,228 56	1,068,021 88	192,206 68	5,700,000 00
Rapid Transit				15,735 44	15,735 44			
Registration of Voters Department				29,839 03	29,839 03	29,839 03		
Registry Department								
Reserved Fund								
School Committee:								
Department expenses		43,527 97		1,920,000 00	1,963,527 97	1,963,527 97		
Gibson School Fund, Income	2,759 16	1,577 00			4,336 16	1,203 79	3,132 36	
Robert C. Winthrop Fund		250 00			250 00	29 00	221 00	
School-houses			500,000 00		500,000 00	29,096 47	470,903 53	500,000 00
Agassiz School house, etc.	650 87				650 87	650 87		
Austin Primary School-house	604 35				604 35	604 35		
Brighton High School-house	86,039 04		3,272 33		3,272 33	3,272 33		
Cudworth School house, additional land			16,000 00		102,639 04	90,470 65		
Dorchester High School-house, land	12,000 00		5,000 00		5,000 00		12,168 29	
Grammar School-house, Bowdoin District	169,804 16				12,000 00		5,000 00	
Grammar School-house, Gibson District	49,869 06		11,253 75		109,804 16	48,836 78	60,967 38	
Grammar School-house, Gibson District, furnishing					61,122 81	55,627 96	5,495 15	
Grammar School-house, Harris District, site	10,000 00		13,890 35		13,890 35	13,890 35		
Grammar School-house, Mt. Vernon District, grading, etc.	27 31		3,100 00		3,100 00	1,737 70	1,362 30	
Grammar School-house, North Brighton building	99,509 36		8,000 00		27 31		27 31	
Grammar School-house, Stoughton District, site	1,952 00				107,509 36	53,135 45	54,373 91	
Hancock School-house, Enlargement of yard	9,365 40				1,952 00		1,952 00	
					9,365 40	4,197 06	5,168 34	
<i>Carried forward</i>	\$2,308,193 93	\$1,034,577 38	\$4,070,055 56	\$10,809,152 56	\$18,911,979 43	\$16,420,779 55	\$2,491,199 88	\$8,954,400 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
<i>Brought forward</i>	\$2,398,193 93	\$1,034,577 38	\$4,670,055 56	\$10,809,152 56	\$18,911,979 43	\$10,430,779 55	\$2,491,199 88	\$8,954,400 00
Much of'Brien School-house, additional land.	3,000 00				3,000 00	3,600 00		
Mechanic Arts High School	1,015 99				1,015 99	1,012 57	3 42	
Mechanic Arts High School, furnishing	24,538 38				24,538 38	22,911 07	1,617 31	
New School-house, Ward 13			70,000 00		70,000 00	11,420 00	58,580 00	
Primary School-house, Aberdeen District, site								
Primary School-house, Aberdeen District, building	6,000 00		7,750 00		13,750 00	13,750 00		
Primary School-house, Canterbury and Sharon streets	12,958 67		22,250 00		22,250 00		22,250 00	
Primary School-house, Canterbury and Sharon streets, furnishing			5,000 00		17,058 63	13,333 71	4,624 92	
Primary School-house, Emerson District			2,725 79		2,725 79	2,725 79		
Primary School-house, Eustis street, new building	120 89				129 89		129 89	
Primary School-house, Eustis Street, furnishing	13,460 55		7,000 00		20,460 55	16,589 94	3,870 61	
Primary School-house, Field's Corner			2,296 76		2,296 76	2,296 76		
Primary School-house, Genesee Street	6,000 00				6,000 00		6,000 00	
Primary School-house, Morton Street	87,000 00		27,000 00		114,000 00	78,416 97	36,083 03	
Primary School-house, Morton street, furnishing	8,374 38		4,000 00		12,374 38	9,169 76	3,204 62	
Primary School-house, Moulton Street			656 19		656 19	656 19		
Primary School-house, Moulton Street, additional land	18,249 36				18,249 36	18,249 36		
Primary School-house, Moulton Street, furnishing			5,000 00		5,000 00		5,000 00	
Primary School-house, north of Broadway, furnishing			4,000 00		4,000 00	1,622 82	2,377 18	
			3,064 45		3,064 45	3,064 45		
<i>Carried forward</i>	\$2,580,921 11	\$1,034,577 38	\$4,830,708 75	\$10,809,152 56	\$19,254,549 80	\$16,619,608 94	\$2,634,940 86	\$8,954,400 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balance from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balance to 1896-97.	Loans authorized but not insured.
<i>Brought forward</i>								
Primary School-house, Oak Sq., furnishing	\$2,580,021 11	\$1,034,577 38	\$4,830,798 75	\$10,809,152 56	\$19,254,549 80	\$18,619,608 94	\$2,634,940 86	\$8,954,400 00
Primary School-house, Oak square, grading, etc.			886 55		886 55	886 55		
Primary School-house, North and West Ends			3,500 00		3,500 00	3,500 00		
Sealing of Weights and Measures Department, Sidewalk Assessments			45,000 00		45,000 00		45,000 00	
Sinking Funds Department				19,619 14	19,619 14	19,619 14		
Statutes of Grant, Sheridan, and Farragut Street Department:	7,349 80			2,335 21	2,335 21	2,335 21		100,000 00
Central Office					7,349 80	5,595 49	1,754 31	
Bridge Division				18,315 79	18,315 79	18,315 79		
Cambridge Bridges Division				119,716 00	119,716 00	119,716 00		
Ferry Division				12,537 33	12,537 33	12,537 33		
Dwelling Division				209,911 30	209,911 30	209,911 30		
Sanitary Division		18 56		683,880 86	683,880 86	683,880 86		
Sewer Division				432,778 52	432,778 52	432,778 52		
Street Cleaning Division				280,506 07	280,506 07	280,506 07		
Watering Division				305,998 50	305,998 50	305,998 50		
Abolishment of Grade Crossings		981 47		76,424 70	76,424 70	76,424 70		
Charlestown Bridge, draw, remodelling, etc.			8,100 00		8,100 00	8,100 00	2,024 16	
Charlestown Bridge	6,247 08		10,000 00		16,247 08	9,685 20	6,561 88	
Chelsea Bridge, North, rebuilding draw, etc.			40,000 00		40,000 00	26,738 36	13,261 64	
Chelsea street Bridge, rebuilding	18,414 92				18,414 92	14,151 44	4,263 48	
Old street Bridge	15,000 00				15,000 00	6,402 42	8,597 58	
Rebuilding Bridges to Watertown	5,518 36		10,000 00		15,518 36		5,518 36	
Awning North Ferry, East Boston side			1,000 00		1,000 00		1,000 00	
Ferry-boat "East Boston," remodelling	4,998 73				4,998 73			
South Drop, South Ferry, Boston side			7,000 00		7,000 00	6,903 91	96 09	
<i>Carried forward</i>	\$2,637,548 00	\$1,035,577 41	\$4,956,285 30	\$12,971,265 18	\$21,000,676 69	\$18,506,765 34	\$2,733,913 36	\$9,784,400 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
<i>Brought forward</i>	\$2,637,545 00	\$1,035,577 41	\$4,956,285 30	\$12,971,265 98	\$21,600,676 09	\$18,866,763 33	\$2,733,913 36	\$9,784,400 00
Bellflower Street	934 31				934 31	934 31		
Bond Street, Asphalt	1,091 18				1,091 18	1,091 18		
Charter Street	4,790 80				4,790 80	4,790 80		
Columbus Avenue, Massachusetts Avenue to Northampton Street, Asphalt	5,611 99				145,141 99	88,414 11		7,100 00
Commonwealth Avenue	14,142 00		139,500 00		14,142 00	3,575 22	56,727 88	30,500 00
Congress and L Streets							10,566 78	
Dartmouth St., Boylston St. to Commonwealth Ave.	300 35				300 35	300 35		
Haver St., between Charter and Thielston Sts.	2,039 02		1,788 64		3,827 66		3,827 66	
Henchman Street	2,136 32				2,136 32	2,136 32		
Lewis St. Extension, Paying	4 50				4 50	4 50		
McLellan Street, old road to White Street			7,000 00		7,000 00	1,243 60	5,756 40	
Melville Avenue			7,500 00		7,500 00	7,500 00		
Prince St., Asphalt	2,985 37				2,985 37	2,985 37		
Saratoga Street, filling solid old bridge			25,000 00		25,000 00	52 90	24,947 10	
Street Improvements, Aldermanic District No. 6	13,480 66				13,480 66	13,480 66		
Street Improvements, Wards 1 and 2	1,971 57		50,000 00		51,971 57	29,474 62	22,496 95	
Street Improvements, Ward 3	4,118 09		16,667 00		20,784 09	7,777 28	13,006 81	
Street Improvements, Ward 4	6,666 67		16,667 00		23,333 67	21,690 51	1,643 16	
Street Improvements, Ward 5	1,451 35		16,667 00		18,118 35	12,992 50	5,125 85	
Street Improvements, Ward 6	2,150 98				2,150 98	2,150 98		
Street Improvements, Wards 6, 7, and 8			43,211 36		43,211 36	43,211 36		
Street Improvements, Wards 7 and 8	7,551 92				7,551 92	7,551 92		
Street Improvements, Ward 9	5,000 00				5,000 00	5,000 00		
Street Improvements, Wards 9 and 10			50,000 00		50,000 00	44,149 76	5,850 24	
<i>Carried forward</i>	\$2,714,065 08	\$1,035,577 41	\$5,330,285 30	\$12,971,265 98	\$22,051,103 77	\$19,167,331 58	\$2,883,862 19	\$9,822,000 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances from 1894-95, and Transfers from.	Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.	Appropriations, 1895-96, and Transfers from.	Total Credits.	Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
<i>Brought forward.</i>	\$2,714,065 08	\$1,035,577 41	\$5,330,285 30	\$12,971,295 98	\$22,051,193 77	\$19,167,831 58	\$2,883,862 19	\$9,822,000 00
Street Improvements, Ward 11			25,000 00		25,000 00			
Street Improvements, Ward 12	11,758 62		25,000 00		36,758 62	14,249 30	22,509 32	
Street Improvements, Ward 13			25,000 00		25,000 00	4,062 65	20,937 35	
Street Improvements, Ward 14	3,196 55				3,196 55	3,196 55		
Street Improvements, Wards 14 and 15			50,000 00		50,000 00	22,679 13	27,320 87	
Street Improvements, Ward 15	4,132 80				4,132 80	3,241 41	841 39	
Street Improvements, Ward 16			25,000 00		25,000 00	10,381 92	14,618 08	
Street Improvements, Wards 17 and 18	17,658 06		50,000 00		67,658 06	62,571 07	5,086 99	
Street Improvements, Wards 19 and 22			50,000 00		50,000 00	34,142 78	15,857 22	
Street Improvements, Ward 20	648 81		25,000 00		25,648 81	12,747 45	12,899 36	
Street Improvements, Ward 21			25,000 00		25,000 00	25,000 00		
Street Improvements, Ward 23			25,000 00		25,000 00	25,000 00		
Street Improvements, Wards 23 and 25	4,999 77				4,999 77	4,999 77		
Street Improvements, Ward 24			50,000 00		50,000 00	49,464 40	535 60	
Street Improvements, Ward 25			25,000 00		25,000 00	20,500 89	4,499 11	
Tatbot av., Dorchester av. to Washington st.,			27,500 00		27,500 00	17,828 38	9,671 62	
Wall street, Paving			5,000 00		5,000 00		5,000 00	
Warren street, Asphalting	600 00				600 00	600 00		
Forest ave. Section, temporary sewer outlet, etc.			19,400 00		19,400 00	2,283 35	17,116 65	
Sewer outlet (low level), West Roxbury District								
Sewers, South Boston	1,266 25		21,000 00		21,000 00	13,175 36	7,824 64	
Stony Brook Damages			5,050 00		5,050 00	388 74	857 51	
Street Laying-Out Department:						5,025 00	25 00	
Department Expenses	15,309 47	2,204 07	70,000 00	24,153 56	111,667 10	75,527 60	36,139 50	
Alford street, Widening and Constructing			10,000 00		10,000 00		10,000 00	
Arklow street	5,500 00				5,500 00	3,500 00	2,000 00	
<i>Carried forward</i>	\$2,779,123 41	\$1,037,781 48	\$5,888,235 30	\$12,995,419 54	\$22,700,859 73	\$19,002,991 73	\$3,697,868 00	\$9,822,000 00

APPROPRIATIONS AND PAYMENTS. — Continued.

OBJECT OF APPROPRIATIONS.	Balances		Revenue received during 1895-96, and Transfers from.	Loans issued in 1895-96, and Transfers from.		Appropriations, 1895-96, and Transfers from.	Total Credits.		Expenditures for 1895-96.	Balances to 1896-97.	Loans authorized but not issued.
	from 1894-95, and Transfers from.	from 1894-95, and Transfers from.									
<i>Brought forward</i>	\$2,779,123 41	\$1,037,781 48	\$5,858,255 30	\$12,995,419 54	\$22,700,569 73	\$19,002,991 73	\$3,097,568 00	\$2,822,000 00			
Bunker Hill street, between Tufts and Moulton streets	2,827 85				2,827 85	2,461 66	366 19				
Centre street, Ward 24			5,000 00		5,000 00		5,000 00				
Chambers Street, Ashland Street to Livingston Street	13,169 57				13,169 57	10,268 50	2,901 07				
Essex and Lincoln Streets	146,592 01				146,592 01	97,265 13	49,326 88				
Extension of Columbus avenue, etc.			300,000 00		300,000 00	276,121 00	23,879 00				
Geneva Avenue			7,000 00		7,000 00		7,000 00				
Ham's Court Extension	575 75				575 75						
Harrison Avenue, between Essex and Beach Streets	95,380 00				95,380 00	30,963 46	64,416 54				
Harvard Street	1,888 32		614 70		2,503 02	2,303 02	200 00				
Old Harbor Court and Atlantic Street	1,200 00				1,200 00		1,200 00				
Quincy Street, Ward 4, laying out and construction			28,000 00		28,000 00		28,000 00				
Talbot Avenue	15,870 59				15,870 59	9,370 59	6,500 00				
Washington Street, Ward 25	34,620 12				34,620 12	32,712 09	1,908 03				
Surveying Department				19,446 44	19,446 44						
Temporary Loan			5,850,000 00		5,850,000 00	5,850,000 00					
Treasury Department				40,220 38	40,220 38						
Water Works:		1,599,150 06			1,599,150 06	1,490,113 38	*109,036 68				
Cochituate Water Works											
Department Expenses	\$420,907 00										
Interest	861,128 07										
Refunded	2,287 22										
Sinking Fund	205,791 00										
Additional Supply of Water	41,122 28	600,000 00	300,000 00		1,341,122 28	1,108,028 00	33,094 28	1,300,000 00			
Extension of Maine, etc.		251,984 94			251,984 94						
Protection of Water Supply	30,000 00				30,000 00						
Mystic Water-Works, land, etc.			65,000 00		65,000 00	60,961 25	4,018 75				
<i>Carried forward</i>	\$3,162,369 90	\$3,488,916 48	\$12,643,850 00	\$13,055,086 30	\$32,850,222 74	\$28,915,807 32	\$3,434,415 42	\$11,122,000 00			

RECAPITULATION.

The following is a recapitulation of the preceding table :

APPROPRIATIONS, LOANS, AND REVENUE.		
General appropriations,		\$14,018,043 00
Permanent Loans : On City account :		
Rapid Transit,	\$1,250,000 00	
Streets,	1,226,500 00	
Blue Hill and other Avenues,	1,000,000 00	
School-houses, Sites, etc.,	773,500 00	
Buildings, etc.,	734,000 00	
Laying Out and Construction of Highways,	650,000 00	
Public Parks,	364,500 00	
Improved Sewerage,	67,650 00	
Bridges,	58,100 00	
Sewers,	40,400 00	
Public Grounds,	38,500 00	
Charlestown Bridge,	10,000 00	
Ferries	8,000 00	
Stony Brook Damages,	5,000 00	
Police Department, New Boat,	2,700 00	
		6,228,850 00
Water Loans :		
Additional Supply of Water,	\$500,000 00	
Mystic Water-Works,	65,000 00	
		565,000 00
Temporary Loan, 1895,		5,850,000 00
Balances from 1894-95,		3,162,682 13
Revenue credited and used under the following heads, viz. :		
City Debt, Board of Commissioners of Sinking-Funds, for payment of Debt, and Cost of Redemption,		446,394 88
Cochituate Water Division,		1,800,474 31
Mystic Water Division,		472,495 88
Additional Supply of Water, from State of Massachusetts,		600,000 00
Soldiers' Relief,		145,215 87
Reserved Fund, Sales of School-houses,		110,526 45
Laying Out and Construction of Highways, for interest,		70,108 00
Library Department,		24,463 11
Mount Hope Cemetery Department,		22,001 89
Printing Department,		11,864 91
Police Charitable Fund, Income,		9,056 00
Franklin Trades School-Fund, Interest,		6,748 95
Park Department,		5,000 00
Damages by Dogs, etc.,		2,342 25
School Committee		2,096 85
Public Buildings Department,		1,725 00
Gibson School-Fund, Income		1,577 00
Health Department,		1,508 37
Hospital Department,		1,400 00
Phillips Street Fund, Income,		1,200 00
Street Department :		
Abolishment of Grade Crossings,	8981 47	
Paving Division,	18 56	
		1,000 03
Public Celebrations,		397 41
Robert C. Winthrop Fund,		250 00
Transferred from Surplus Revenue :		
School Committee,	\$41,431 12	
Public Buildings, Schools,	40,107 13	
Carried forward,	\$81,538 25	\$33,557,421 79

AUDITOR'S REPORT.

<i>Brought forward,</i>	\$81,538 25	\$33,557,421 79
Police Department,	33,812 66	
Election Department,	24,379 59	
Institutions Department,	20,250 00	
County of Suffolk,	18,500 00	
Library Department,	8,000 00	
Hospital Department,	4,686 67	
Public Grounds,	4,564 17	
	<hr/>	195,731 34
		<hr/>
		<u>\$33,753,153 13</u>

TOTAL PAYMENTS.

On City of Boston Account:		
Auditor's Drafts, approved by Mayor,	\$29,375,180 85	
Cochituate Water-rates, refunded by Treasurer,	2,287 22	
Mystic Water-rates, refunded by Treasurer,	185 63	
	<hr/>	\$29,377,653 70
County of Suffolk:		
Allowed by Auditor of the County,		940,771 78
		<hr/>
		\$30,318,425 48
Balances carried to 1896-97,	\$3,323,400 57	
Balances remaining in Treasury,	111,327 08	
	<hr/>	3,434,727 65
		<hr/>
		<u>\$33,753,153 13</u>

ESTIMATED AND ACTUAL INCOME, INCLUDING TAXES. 1895-96. CITY AND COUNTY.

Statement of the *Estimated* Income, including Taxes of the CITY OF BOSTON and the COUNTY OF SUFFOLK, to meet the general appropriations for the financial year 1895-96, with an account of the *Actual* Income and Taxes received during the year:

For income credited to appropriations, see page 23.

SOURCES OF REVENUE.	Estimated Income and Taxes.	Gross Income and Taxes.	Amounts refunded.	Net actual Income and Taxes.
CITY OF BOSTON.				
Building Department.....		\$822 80		\$822 80
City Clerk Department.....	\$7,000 00	7,080 75		7,080 75
City Council, incidental expenses..		760 23		760 23
City Messenger Department.....	40 00	17 08		17 08
City of Charlestown.....		1,467 00		1,467 00
Collecting Bank Tax.....		5,942 35		5,942 35
Collecting Department.....	10,000 00	14,526 14		14,526 14
Conscience Fund.....		336 50		336 50
Engineering Department.....		1,924 00		1,924 00
Fire Department.....	2,000 00	2,506 17		2,506 17
Hay Scales.....		171 37		171 37
Health Department:				
Miscellaneous.....	5,000 00	7,956 23		7,956 23
Inspection of Milk and Vinegar..	800 00	800 50		800 50
Hospital Department.....	40,600 00	55,323 44		55,323 44
Institution Department.....	60,000 00	77,483 74		77,483 74
Interest.....	90,000 00	108,115 24		108,115 24
Lamp Department.....		41 72		41 72
Liquor Licenses, Net Receipts.....	790,000 00	897,255 00		897,255 00
Market Department.....	500 00	629 32		629 32
Overseeing of the Poor Dept.....	11,600 00	19,959 36		19,959 36
Park Department.....	2,000 00	2,532 19		2,532 19
Pedlers.....		4,500 00		4,500 00
Police Department.....	10,820 00	16,154 33	\$5 00	16,149 33
Premium on Temporary Loan.....		122 25		122 25
Public Buildings Department:				
Armories.....	10,000 00	12,000 00		12,000 00
Miscellaneous.....		840 55		840 55
Registry Department.....		200 00		200 00
Rents.....	90,000 00	100,857 95		100,857 95
Sales of City Property.....		743 85		743 85
School Committee.....	40,000 00	37,850 06	2,342 25	35,507 81
Sealing of Weights and Measures Department.....	3,000 00	5,183 64		5,183 64
Street Department:				
Central Office.....		85 00		85 00
Bridge Division.....	1,850 00	1,630 40		1,630 40
Cambridge Bridges Division....	700 00	1,151 85		1,151 85
Ferry Division.....	150,000 00	169,584 85		169,584 85
Paving Division.....	11,550 00	2,209 40		2,209 40
Sanitary Division.....	25,200 00	43,629 80		43,629 80
Sewer Division.....	26,000 00	33,836 18	50 00	33,786 18
Street Cleaning Division.....	5,000 00	2,135 51		2,135 51
Watering Division.....		1,576 62		1,576 62
Stony Brook Improvement.....		37 00		37 00
Street Laying Out Department.....		300 00		300 00
Taxes: Outstanding prior to May, 1, 1895.....		1,057,083 69		1,057,083 69
1895.....	12,066,868 40	10,819,943 49	2,004 23	10,817,929 26
City Bank Tax.....		164,997 02	615 14	164,381 88
Corporation and Bank re- ceived from Common- wealth of Massachusetts, Foreign ships.....	875,000 00	907,098 44	2,845 24	904,250 20
Town of Brookline.....		2,422 45		2,422 45
Town of Brookline.....		21 76		21 76
Wire Department.....		5 00		5 00
	\$14,335,533 40	\$14,591,850 22	\$7,864 86	\$14,583,985 36
COUNTY OF SUFFOLK.				
Miscellaneous Revenue.....	180,000 00	191,795 17	487 90	191,307 27
	\$14,515,533 40	\$14,783,645 39	\$8,352 76	\$14,775,292 63
Cash on hand February 1, 1895....	150,000 00	108,190 29		108,190 29
	\$14,665,533 40	\$14,891,835 68	\$8,352 76	\$14,883,482 92

Actual Income, including Taxes,	\$14,883,482 92
Estimated Income, including Taxes,	14,665,533 40
	<hr/>
Excess of Actual Income, including Taxes,	\$217,949 52
Less Amount transferred to Appropriations,	195,731 34
	<hr/>
Amount remaining in the treasury,	<u>\$22,218 18</u>
	<hr/>
Excess of Water Revenue over expenditures, 1895-96, remain- ing in the treasury,	<u>\$109,036 68</u>
	<hr/>
Excess of Mount Hope Cemetery Revenue over expenditures, 1895-96, remaining in the treasury,	<u>\$2,290 40</u>

Respectfully submitted,

JAMES H. DODGE,
City Auditor.

CITY INCOME.

INCLUDING TAXES AND LOANS.

STATEMENT IN DETAIL OF ALL THE INCOME, TAXES, AND
LOANS RECEIVED ON ACCOUNT OF THE CITY OF BOSTON
DURING THE FINANCIAL YEAR.

1895-96.

Board of Aldermen.

SOLDIERS' RELIEF.

From the State in reimbursement, in part, of the amount the City has advanced in conformity to the laws of the Commonwealth, to volunteers and their families or other dependents of volunteers in the army and navy, Chap. 279, Acts of 1889,	\$18,587 04	
Chap. 301, Acts of 1890,	123,074 33	
	<hr/>	\$141,661 37

In reimbursement, in part for payments for burial of indigent soldiers, sailors, and marines, Chap. 395, Acts of 1889, and Chap. 62, Acts of 1890,	3,554 50	
	<hr/>	\$145,215 87

Board of Commissioners of Sinking-Funds.

Received from them with which to pay debt and costs of redemption,	446,394 88
--	------------

Building Department.

Plumbers' Licenses, Chap. 483, Acts of 1894,	822 80
--	--------

City of Charlestown.

Dividend on Mystic River Corporation stock,	1,467 00
---	----------

City Clerk Department.

Recording mortgages of personal property, etc.,	\$5,884 50	
Amusement, petroleum, etc., licenses,	1,194 00	
Naturalization fees,	2 00	
Money found,	25	
	<hr/>	7,080 75

City Council.

INCIDENTAL EXPENSES.

Received in reimbursement of amount paid for damages to Ellen Foley,	\$608 14	
Refunded of amount drawn in 1890 to purchase manuscripts and documents from the Leffingwell collection,	96 68	
Costs, etc., from City Solicitor,	55 41	
	<hr/>	760 23

Carried forward,

\$601,741 53

<i>Brought forward,</i>			\$601,741 53
<i>City Debt.</i>			
Amount obtained on City certificates issued this year for loans authorized by the City Council at different times, for various objects,			6,228,850 00
(See Cochituate Water Debt.)			
<i>City Messenger Department.</i>			
Sale of old paper,			17 08
<i>Collecting Bank Tax.</i>			
Received from State of Massachusetts, for expenses of collecting Bank tax,			5,942 35
<i>Collecting Department.</i>			
Fees on overdue taxes and assessments,			14,526 14
<i>Conscience Fund.</i>			
			336 50
<i>Engineering Department.</i>			
Services,			1,924 00
<i>Fire Department.</i>			
Sale of old material, etc.,	\$978 13		
Licenses to sell powder,	750 00		
Services,	428 00		
Rents of tenements in engine-houses,	350 04		
			2,506 17
<i>Franklin Trades School Fund.</i>			
Interest on bank deposit,			6,748 95
<i>Hay-Scales.</i>			
Fees received from North scales,			171 37
<i>Health Department.</i>			
Milkmen's Licenses,	\$809 50		
Disinfecting,	120 00		
EVERGREEN CEMETERY.			
Sale of lots and graves,	\$1,036 12		
Care of lots,	447 25		
Sale of wood,	25 00		
			1,508 37
QUARANTINE.			
For the regular quarantine fees of Port Physician, boarding and inspecting vessels from foreign ports,	7,835 23		
SMALL-POX HOSPITAL.			
Rent of property, Swett street,	575 00		
			10,848 10
<i>Hospital Department.</i>			
From superintendent, for board and care of patients,	\$54,933 59		
Interest on Trust Funds,	1,400 00		
Sales of old materials,	389 85		
			56,723 44
<i>Institutions Department.</i>			
(See County of Suffolk Income, for House of Correction.)			
HOUSE OF INDUSTRY.			
Sale of stone, labor of prisoners, etc.,	\$57,327 12		
LUNATIC HOSPITAL.			
Individuals for board of patients at this institution, sales of milk, junk, rags, etc.,	6,887 11		
INSANE HOSPITAL, AUSTIN FARM.			
Board of patients, etc.,	2,243 73		
<i>Carried forward,</i>	\$66,457 96	\$6,930,335 63	

<i>Brought forward.</i>	\$66,457 96	\$6,930,935 63
INSANE HOSPITAL, PIERCE FARM.		
Board of patients, etc.,	3,132 61	
MARCELLA-STREET HOME.		
Sale of junk, etc.,	363 52	
BOSTON ALMSHOUSE AND HOSPITAL.		
Labor, etc.,	1,470 91	
HOUSE OF REFORMATION.		
Labor, etc.,	1,037 39	
HOME FOR PAUPERS, LONG AND RAINSFORD ISLANDS.	88 00	
HOME FOR PAUPERS, RAINSFORD ISLAND.		
Labor, etc.,	220 30	
HOME FOR PAUPERS, LONG ISLAND, ALMSHOUSE, CHARLESTOWN.	1,033 83	
Sales of junk, etc.,	291 18	
PAUPER EXPENSES:		
From individuals and towns, in reimbursement of expenses paid by the City for the support of individuals in State institutions,	3,317 02	
STEAMER "J. PUTNAM BRADLEE,"	61 02	
	-----	77,483 74

Interest.

Received as follows:		
On bank deposits,	\$53,229 48	
On overdue taxes,	53,967 39	
On sewer assessments,	853 01	
On paving assessments,	124 94	
	-----	108,174 82

Lamp Department.

Damages,		41 72
----------	--	-------

Laying Out and Construction of Highways.

From assessments on abutters for cost of sidewalks in front of their premises, Chap. 401, Acts 1892,	\$21,777 67		
Interest on do.,	8,018 39		
	-----	\$29,796 06	
Sewer assessments, Chap. 402, Acts 1892,	\$116,646 77		
Interest on do.,	9,650 38		
	-----	126,297 15	
Street Construction, Chap. 323, Acts 1891, assessments,			
Batavia st.,	\$612 89		
Interest on do.,	862 48		
	-----	975 37	
Bay State Road,	\$165 49		
Interest on do.,	12 85		
	-----	178 34	
Miner Street,	\$466 35		
Interest on do.,	573 21		
	-----	1,039 56	
Newbury Street,	\$10,708 76		
Interest on do.,	847 88		
	-----	11,556 64	
St Germain Street,	\$896 56		
Interest on do.,	52 56		
	-----	949 12	
		-----	170,792 24
<i>Carried forward,</i>			\$7,286,828 15

<i>Brought forward,</i>			\$7,286,828 15
<i>Blue Hill and other Avenues.</i>			
Sale of buildings, Columbus Avenue,			251 50
<i>Library Department.</i>			
Interest on trust funds,	\$10,245 50		
Sales of catalogues, fines, etc.,	14,217 61		
	<hr/>		24,463 11
<i>Library Trust Funds.</i>			
On account of bequest of Daniel Treadwell,	\$534 60		
Charles Greeley Loring Memorial Fund,			
"West End Branch,"	500 00		
	<hr/>		1,034 60
<i>Liquor Licenses.</i>			
For licenses issued for the year 1895-96,			1,196,640 00
<i>Market Department.</i>			
Weighing fees,			629 32
<i>Mount Hope Cemetery Department.</i>			
Received from Trustees, viz.:			
Fees,	\$15,569 22		
For sale of lots,	4,377 25		
Interest on trust funds,	1,855 42		
	<hr/>		22,001 89
<i>Mount Hope Cemetery Trust Fund.</i>			
Receipts for the perpetual care of lots,			4,184 75
<i>Overseeing of the Poor Department.</i>			
From the Overseers of the Poor, for collections by them from other cities and towns, for support of poor belonging to such cities and towns,	\$5,047 92		
Commonwealth of Mass., for the relief of sick State paupers,	9,252 15		
Commonwealth of Mass., and sundry parties, for burials and support of poor,	4,447 83		
Occupants of the Charity Building,	822 20		
Sale of barrels, etc.,	258 34		
Aid refunded,	130 92		
	<hr/>		19,959 36
<i>Park Department.</i>			
Sale of grass, wood, sheep, etc.,	\$957 29		
Rents,	1,574 90		
Care and repairs of Commonwealth Avenue,	5,000 00		
	<hr/>		\$7,532 19
Parkway, Old Harbor, betterments,			148 80
Parkway, Muddy River, betterments,	\$330 00		
Interest on do.,	50 46		
	<hr/>		380 46
Parkway, West Roxbury, betterments,	\$756 01		
Interest on do.,	60 27		
	<hr/>		816 28
Parkway, Dorchester, betterments,	\$910 66		
Interest on do.,	69 89		
	<hr/>		980 55
	<hr/>		9,858 28
<i>Carried forward,</i>			\$8,565,850 96

<i>Brought forward,</i>		\$8,565,850 96	
<i>Pay-Roll Tailings.</i>			
Amounts drawn to pay employes, and the parties not appearing or the money being held by trustee process, returned to the treasury,			5,998 14
<i>Pedlers' Licenses.</i>			
For the licenses issued by the State,			4,500 00
<i>Phillips-Street Fund, Income.</i>			
Interest on trust funds,			1,200 00
<i>Police Department.</i>			
Licenses: Wagons,	\$5,080 00		
Pawnbrokers,	3,580 00		
Billiard saloons, etc.,	2,020 00		
Carriages,	1,528 00		
Junk dealers,	1,078 00		
Dealers in second-hand goods,	850 00		
Intelligence offices,	670 00		
Auctioneers,	468 00		
Street-railway employes,	366 50		
Itinerant musicians,	114 50		
Private detectives,	40 00		
Sale of property,	325 33		
Care of heating apparatus, Station 13,	30 00		
			16,154 33
<i>Police Charitable Fund, Income.</i>			
Interest on Trust Funds,			9,056 00
<i>Premium on Loans.</i>			
Premium received on loans negotiated:			
\$1,000,000 Rapid Transit, 4 per cent., 40 years, at \$113.91,	\$139,100 00		
\$250,000 Rapid Transit, 3½ per cent., 40 years, at \$100.625,	1,562 50		
\$1,000,000 Blue Hill and other avenues, 4 per cent., 40 years, at \$112.938,	129,380 00		
\$500,000 Additional Supply of Water, 4 per cent., 30 years, at \$112.938,	64,690 00		
\$500,000 Laying Out and Construction of Highways, 4 per cent., 20 years, at \$112.938,	64,690 00		
\$1,000,000 Various Municipal Purposes, 4 per cent., 20 years, at \$103.679,	36,790 00		
			436,212 50
<i>Premium on Temporary Loans,</i>			122 25
<i>Preston (Daniel) Lot.</i>			
Sale of land in Quincy,			381 15
<i>Printing Department.</i>			
Sale of stock, postage stamps, etc.,			11,864 91
<i>Public Buildings Department.</i>			
Rents, Ward-rooms,	\$164 00		
Curtis Hall,	220 00		
Faneuil Hall,	186 80		
Town Hall, Dorchester,	10 00		
		\$580 80	
Heating Old State House,		250 00	
Sale of old material,		9 75	
		\$840 55	
<i>Carried forward,</i>	\$840 55	\$9,051,340 24	

Brought forward, 8840 55 89,051,340 24

ARMORIES.

Received from the State, on account of rent of armories for volunteer militia companies, \$12,000 00
Rent armory, West Newton street, 1,725 00

13,725 00

14,565 55

Public Celebrations.

Income from Foss Funds,
Income from Babcock Music Fund,

8240 00

157 41

397 41

Rapid Transit.

Insurance on building Canal Street, damaged by fire,

1,474 00

Registry Department.

From City Registrar, for certificates of marriage intention issued by him,

200 00

Rents.**MARKET HOUSES.**

Faneuil Hall: Stalls, \$43,404 00
Cellars, etc., 22,432 00
Outside Stands, 1,407 00

867,243 00

New Faneuil Hall:

Stalls, \$11,594 40
Cellars, 6,076 80

17,671 20

Total for Market Houses,

884,914 20

Old State House, 10,100 00
Rotunda, Quincy Hall, 2,800 00
Rooms, Quincy Hall, 406 25
Produce Exchange, 1,800 00
House, 94 Roxbury street, 275 00
Soley Street, Charlestown, 212 50
Old Franklin School-house, 200 00
Stable, Charlestown, 150 00

100,857 95

Reserved Fund.

See Sales of City Property.

Residue from Tax Sales, etc.,

1,937 57

Sales of City Property.

School-house and land, Tennyson Street, 891,533 75
Land, Walpole and Tremont Streets, 18,992 70

Credited to Reserved Fund, 8110,526 45
Land in Quincy, 743 85

111,270 30

Sawyer Bequests.

Bequests of Samuel E. Sawyer for Horace Mann School, 82,000 00
Marcella-street Home, 2,000 00

4,000 00

Schools and School-Houses.

SCHOOL EXPENSES, SCHOOL COMMITTEE.
Travelling expenses, deaf pupils, 82,096 85
Sales of books and supplies, 195 77

82,292 62

Carried forward,

82,292 62

89,286,043 02

STREET DEPARTMENT.

33

<i>Brought forward,</i>		\$2,292 62	\$9,286,043 02
SCHOOL INSTRUCTORS.			
Dog licenses,	\$18,835 60		
Forfeiture for keeping un- licensed dog,	15 00		
Instruction of deaf pupils,	10,662 51		
Tuition of non-residents,	7,545 18		
Income from Smith Fund,	384 00		
Income from Stoughton School- Fund,	212 00		
		37,654 29	
GIBSON SCHOOL FUND.			
Income from trust funds,	\$837 00		
Rents,	740 00		
		1,577 00	
			41,523 91

**Sealing of Weights and Measures
Department.**

Fees for sealing scales,	5,183 64
--------------------------	----------

State Bank Tax.

Tax of 1895, collected by the City,	588,292 63
-------------------------------------	------------

Street Department.

CENTRAL OFFICE.			
Forfeitures,		\$85 00	
BRIDGE DIVISION.			
Rents,	\$1,512 50		
Sale of old material, etc.,	117 90		
		1,630 40	
CAMBRIDGE-BRIDGES DIVISION.			
Wharfage, etc.,		1,151 85	
ABOLISHMENT OF GRADE CROSSINGS.			
On account of expense of abolishing W. Fourth-street crossing, from New York, New Haven, and Hartford R.R. Co.,		981 47	
FERRY DIVISION.			
Tolls,	\$166,300 31		
Rents,	2,516 49		
Sale of old material,	68 05		
In part reimbursement for amount paid for damages,	700 00		
		169,584 85	
PAVING DIVISION.			
From assessments on abutters for cost of lay- ing sidewalks in front of their premises, in- cluding material for the same,	\$7,628 59		
Repairs of streets,	18 56		
Sale of manure,	89 00		
In reimbursement for amount paid E. H. Bigelow for dam- ages for personal injury in 1887,	150 00		
		7,891 15	
SANITARY DIVISION.			
Sale of house offal :			
City proper and			
South Boston,	\$18,243 75		
Roxbury,	6,668 66		
Charlestown,	2,535 06		
		\$27,442 47	
<i>Carried forward,</i>	\$27,442 47	\$181,324 72	\$9,921,043 20

<i>Brought forward,</i>	\$27,442 47	\$181,324 72	\$9,921,043 20
Removing ashes made by steam-engine fires,	13,140 87		
Sale of manure,	969 81		
Dumping-scow privileges,	763 35		
Sale of ashes,	313 30		
Fort Hill Wharf, rent,	1,000 00		
	<hr/>	43,629 80	
SEWER DIVISION.			
From assessments on sundry persons for their proportion of the cost of sewers built by the city,	\$4,299 42		
Entrance fees,	4,474 07		
Sale of tow - boat "William Woolley,"	1,000 00		
Labor,	4 75		
Pumping sewage, amount received from State,	24,000 00		
Sewers, Brighton, assessments,	17 31		
Sewer, Commonwealth avenue, assessments,	137 00		
Sewer, Dorchester avenue, between Crescent avenue and Grafton street, assessments,	31 28		
Sewer between Roslindale and West Roxbury, assessments,	301 03		
Sewers, Westville, Freeman, and Charles streets, assessments,	373 23		
Sewers, special, assessments,	57 94		
	<hr/>	34,696 03	
STONY BROOK IMPROVEMENT.			
Rent,		37 00	
STREET-CLEANING DIVISION.			
Removing dirt,	\$2,101 01		
Sale of old material,	17 00		
Sale of waste barrels,	15 00		
Damage,	2 50		
	<hr/>	2,135 51	
WATERING DIVISION.			
For watering,		1,576 62	
		<hr/>	263,399 68

Street Laying-Out Department.

Refunded of amount drawn to pay travelling expenses,		\$300 00	
Instalment on bond, with interest,		2,388 89	
PUBLIC LANDS.			
Rents, Estate, Wareham street,	\$1,050 00		
Estate, Albany street,	75 00		
Wharf, Albany street,	600 00		
Great Brewster Island,	100 00		
Estate, Rutherford avenue,	12 00		
	<hr/>	1,837 00	
ESSEX AND LINCOLN STREETS.			
Betterments,	\$9,157 80		
Interest on betterments,	123 52		
	<hr/>	\$9,281 32	
Refunded of amount paid for land damages,	50 00		
	<hr/>	9,831 32	
<i>Carried forward,</i>		<hr/>	\$13,857 21 \$10,184,442 88

Brought forward, \$13,857 21 \$10,184,442 88
 HARRISON AVENUE, BETWEEN ESSEX AND
 BEACH STREETS.

Betterments, \$7,406 75
 Interest on betterments, 195 43

7,602 18

21,459 39

Taxes.

Collections made in 1895-96:

Taxes of 1895, \$10,819,933 49

Taxes of 1894, and prior, 1,057,083 69

From Commonwealth, for City's proportion of
 tax on corporations and banks out of the
 city,

907,098 44

Bank tax,

164,997 02

Ships engaged in foreign trade,

2,422,45

12,951,535 09

Tax Titles.

Amounts received from owners,

18 78

Temporary Loan.

Received for temporary loan, as authorized by order of City
 Council, approved February 6, 1895,

5,850,000 00

Town of Brookline.

Taxes,

21 76

Water-Works.

COCHITUATE DIVISION.

Collections by Collector: Water-rates due:

For the year 1895, and prior, \$1,625,600 94

For the year 1896, 117,691 68

\$1,743,292 62

Service-pipes for new water-takers, extend-
 ing, repairing, etc.,

21,867 83

Labor,

4,028 52

Sales of old material, etc.,

13,617 60

Rents of water-posts and fire-pipes,

4,241 15

Shutting off and letting on water,

2,377 12

Difference on cost of new mains,

1,210 35

Fees on overdue rates,

2,108 19

Shutting off and letting on water for non-pay-
 ment of rates,

1,860 00

Rents,

2,999 00

Elevator and stand-pipe connections,

2,016 22

Sundries,

543 71

Board of horse,

312 00

\$1,800,474 31

ADDITIONAL SUPPLY OF WATER.

Received from the Commonwealth of Mass-
 achusetts, in reimbursement of amount
 paid for land for and construction of Basin
 V. (chap. 488 of 1895),

600,000 00

2,400,474 31

MYSTIC DIVISION.

Water Rates, Charlestown Dis-
 trict,

\$142,872 31

Water-rates, from Somerville,

177,300 82

" " Chelsea,

97,757 77

" " Everett,

50,684 24

\$468,615 14

Sale of old materials,

\$1,207 89

Carried forward,

\$1,207 39

\$468,615 14

\$31,407,952 21

CITY INCOME.

<i>Brought forward,</i>	\$1,207 39	\$468,615 14	\$31,407,952 21
Shutting off and letting on water,	1,014 50		
Service-pipes and repairs,	825 10		
Fees,	470 68		
Labor, etc.,	225 60		
Rents, Fire-pipes,	107 74		
Rents, Water-posts,	29 23		
	<hr/>	3,880 24	472,495 38

Water Debt.*Amount obtained on Loans issued by authority of City Council:*

Cochituate Water Debt,	\$500,000 00	
Mystic Water Debt,	65,000 00	
	<hr/>	565,000 00

Wire Department.

Sale of old wire,		5 00
-------------------	--	------

<i>Total receipts on City Account for the year 1895-96,</i>	<hr/> <hr/>	\$32,445,452 59
---	-------------	------------------------

JAMES H. DODGE,
City Auditor.

CITY PAYMENTS.

Statement in detail of the expenditures incurred by the several Departments, Boards, and Committees of the City Council, for which drafts have been made; also payments of debt, interest on debt, and payments to State of tax and assessments, and one-quarter of liquor-license revenue.

The year commencing with the first day of February, 1895, and ending with the last day of January, 1896.

Architect Department.

Department abolished July 1, 1895, by Chap. 449, Acts of 1895.

Salaries:

Edmund M. Wheelwright, City Architect, to July 1, 1895,	\$1,750 00	
Assistants,	5,697 91	
	<hr/>	\$7,447 91
Board of and shoeing horses, and repairs of vehicles and harnesses,	450 00	
Typewriting,	415 48	
Stationery and drawing materials,	366 40	
Expert services,	316 50	
Printing,	124 16	
Travelling expenses,	83 14	
Telephone service,	50 35	
Furniture and office expenses,	31 75	
Expense of running heating apparatus, Parental School,	760 50	
Work on heating apparatus, Primary School-house, George Putnam District,	21 82	
Repairs, Ladder-house No. 1,	8 19	
	<hr/>	\$10,076 15

Assessing Department.

Principal Assessors:

Joshua S. Duncklee, Chairman,	\$3,500 00
Frank A. Drew, Secretary,	3,200 00
John J. Murphy,	3,000 00
John Pierce,	3,000 00
John M. Maguire,	3,000 00
George A. Comins,	3,000 00
Edward B. Daily,	3,000 00
Samuel Hichborn,	3,000 00
Joseph Tondorf, to May 6, 1895, inclusive,	1,050 00
E. Mertain Hatch, from May 7, 1895,	1,950 00
	<hr/>
	\$27,700 00

First Assistant Assessors, — salary \$7 per day:

Alonzo F. Andrews, Charles H. Brigham,
 Andrew J. Browne, John Bryant, Charles
 O. Burrill, George W. Carr, Henry L.
 Carter, John C. Cook, Robert Culbert
 William H. Cundy, Edward W. Dolan,
 John H. Donovan, Daniel A. Downey,
 Benjamin M. Fiske, James P. Fox, John J.

Carried forward,

\$27,700 00

\$10,076 15

<i>Brought forward,</i>	\$27,700 00	\$10,076 15
Gartland, John H. Giblin, John H. Griggs, George E. Hall, Henry S. Harris, Alonzo D. Hibbard, Charles B. Hunting, Richard- son Hutchinson, George A. King, Thomas O. McEnaney, James I. Moore, Henry Pierce, Frank S. Pratt, Dennis G. Quirk, Roger H. Scannell, Hugh F. Sheran, William B. Smart, Patrick D. Sullivan, Frederick H. Temple, Charles A. Tilden, George Warren, George W. Warren, — 87 parties, each at \$728,	\$26,936 00	
Thomas H. Bond,	693 00	
Nicholas J. Furie,	525 00	
Hubert Pope,	392 00	
Thomas J. Leach,	203 00	
E. Mertain Hatch,	35 00	
	<hr/>	28,784 00

Second Assistant Assessors, — salary \$5 per day :

J. Harris Aubin, Frederick A. H. Bennett, Benjamin F. Bowditch, William Burns, John J. Capelle, Patrick F. Carley, Charles W. Curran, John J. Dalley, Daniel H. Daly, John A. Dillon, Joseph D. Dillworth, Frank J. Enos, Oscar N. Fossett, John P. Geishecker, Hubert J. Gormley, George W. Harris, Lawrence A. Hoey, Henry J. Ireland, Gerhard Kranefuss, William D. Lang, John S. McDonough, Cornelius J. McGillicuddy, Bernard J. McGowan, Chas. J. McHugh, Allen J. McIntire, Henry J. McKee, John C. Nute, Charles W. Odiorne, Charles W. Pearson, Andrew J. Quinn, George P. Richardson, Edward Seaver, Richard W. Smith, Charles H. Snow, Edward R. Spinney, Patrick Sullivan, Lawrence J. Towle, Peter Walsh, Dexter C. Whittemore, — 89 parties each at \$265,	\$10,335 00	
Duncan McArthur,	200 00	
	<hr/>	10,535 00

Clerk-hire: Office and street,

57,048 00

Total for Salaries of Assessors and Clerks,
Printing, including distributing and posting
notices and list of poll-tax payers,
Stationery,
Travelling expenses of Assistant Assessors,
Advertising,
J. G. Martin, furnishing stock valuations,

\$124,067 00
9,336 80
8,342 20
685 50
590 89
500 00

138,522 39

Auditing Department.

Salaries :

James H. Dodge, City Auditor, \$5,000 00
Clerk-hire and messengers, 23,169 00

828,169 00

Stationery and postage stamps,
Printing,
Telephone service,
Expressage,

1,224 42
232 58
60 00
14 00

29,700 00

Carried forward,

8178,298 54

<i>Brought forward,</i>	\$178,298 54
<i>Bank Tax.</i>	
Amount collected from National Banks and paid State of Massachusetts :	588,907 77
<i>Betterments, etc.</i>	
Revenue received from betterments, sales of land, etc., paid to Board of Commissioners of Sinking-Funds,	176,704 87
<i>Board of Aldermen.</i>	

Salaries :

Horace G. Allen,	\$1,500 00
David F. Barry,	1,500 00
Charles H. Bryant,	1,500 00
John F. Dever,	1,500 00
Perlie A. Dyar,	1,500 00
Thomas W. Flood,	1,500 00
Charles E. Folsom,	1,500 00
John H. Lee,	1,500 00
Martin M. Lomasney,	1,500 00
Edward W. Presho,	1,500 00
Alpheus Sanford,	1,500 00
Charles T. Witt,	1,500 00

\$18,000 00

Carriage-hire and travelling expenses :

Committees of the Board :

On Streets and Sewers,

Of 1894,	\$98 50	
Of 1895,	4,845 00	
	<hr/>	84,943 50

Inspection of Buildings :

Of 1894,	\$32 00	
Of 1895,	488 00	
	<hr/>	520 00

Inspections of Prisons,

56 50

Investigation of Public Institutions of 1894,

48 50

Electric Wires,

37 00

Franklin Fund of 1894,

36 00

Armories,

16 00

Licenses,

11 00

5,668 50

Stenographic work and typewriting,

1,228 25

Funeral of Gen. Michael T.

Donohoe, late superintendent of the House of Reformation,

Flowers,

\$100 00

Carriage-hire,

23 00

Badges,

6 00

129 00

Children's entertainment in East Boston,

July 4, 1895,

111 98

Final proceedings of Board of 1894, printing and binding,

110 40

Printing and stationery,

110 01

Advertising hearings,

109 61

Rules and regulations of the Board,

54 00

Erecting band-stands, North square and South Boston,

22 00

\$25,543 75

Carried forward,

\$943,911 18

Brought forward,
SOLDIERS' RELIEF.

\$943,911 18

Payments made in conformity to the laws of the Commonwealth, to soldiers and sailors, and to the families or dependents of those who were engaged as volunteers in the service of the United States in subduing the Southern rebellion; also office expenses.

Amount paid applicants,

Under Chap. 279, Acts 1889, \$34,468 90

Under Chap. 301, Acts 1894, 126,899 35

Under Chap. 447, Acts 1890, 27,692 61

\$189,060 86

Salaries:

R. Peterson, Jr., Paymaster, \$3,500 00

Clerk-hire, 6,695 33

10,195 33

Telephone service, 184 85

Travelling expenses, 142 97

Printing, 169 15

Stationery, 88 14

\$199,841 30

Burial of deceased indigent or friendless soldiers, sailors, and marines of the late war, Chap. 395, Acts 1889:

Burial expenses, \$4,270 00

Office expenses of Burial Agent, 200 00

4,470 00

\$204,311 30

RECAPITULATION.

Board of Aldermen,

\$25,543 75

Soldiers' Relief,

204,311 30

229,855 05

Building Department.

Salaries:

John S. Damrell, Inspector, \$5,000 00

Assistant Inspectors, 42,314 53

Clerk, 2 500 00

Assistant clerks, copyists, etc., 13,935 00

\$63,749 53

Printing, 1,960 43

Stationery, tools, etc., 1,897 28

Car-fares and travelling expenses, 1,216 99

Steam-launch and equipment, 600 00

Board of and shoeing horse, and repairs of vehicle and harness, 415 33

Shoring up and removing dangerous buildings, 396 08

Telephone service, 190 55

Messenger service, 7 70

70,433 89

BOARD OF APPEAL:

Board:

George R. Swasey, \$275 00

Arthur E. Everett, 335 00

William H. Sayward, 300 00

\$910 00

Substitutes and expenses, 73 75

983 75

Bust of Oliver Wendell Holmes.

T. H. Bartlett, on account,

300 00

Carried forward,

\$1,245,483 87

Brought forward,

\$1,245,483 87

City Clerk Department.

Salaries :

John M. Galvin, City Clerk,	\$5,000 00
John T. Priest, Assistant City Clerk,	3,800 00
Clerk-hire and Messengers,	27,663 33

\$36,463 33

Stationery,

1,879 99

Printing,

474 61

Engrossing resolutions of the City Council,

450 00

Advertising,

436 86

Telephone service,

393 73

Carriage-hire and travelling expenses,

239 09

Messenger service,

219 53

Constables' services,

130 75

Compiling volume of Street Railway locations,

100 00

Expressage,

16 35

Sarah G. Willard, widow of Timothy W. Willard, late chief mortgage clerk, balance of salary he would have been entitled to had he lived and held office until Jan. 31, 1895, Chap. 240, Acts of 1895, and Order of the City Council, approved May 11, 1895,

1,116 50

\$41,920 74

Election expenses :

Advertising, \$1,135 63

Carriage-hire, 383 50

Refreshments for clerks, messengers, and officers, 362 35

Printing, 168 91

Employés, 167 00

Stationery, 89 98

Repairs of ballot boxes, 10 00

2,317 37

44,238 11

City Council.

CONTINGENT FUND, JOINT COMMITTEES.

Payments of the contingent expenses of the Joint Committees.

Refreshments for Committees :

On Park Department of 1894, 81 00

of 1895, 361 00

Public Lands of 1893, 2 00

of 1894, 20 00

of 1895, 305 00

Inspection of Buildings Dept. of 1894, 9 00

of 1895, 308 00

Health Department of 1894, 20 00

of 1895, 251 00

Fire Department of 1894, 1 00

of 1895, 224 00

Street Laying-out Department, 191 00

Water Supply Department of 1893, 4 00

of 1894, 14 00

of 1895, 175 00

Street Department, 152 00

Registry Department, 127 00

Overseeing of the Poor Department, 116 00

Mount Hope Cemetery, 102 00

Carried forward,

\$2,383 00

\$1,289,721 98

<i>Brought forward,</i>	\$2,383 00		\$1,289,721 98
Public Institutions Department,	96 00		
Claims of 1893,	11 00		
of 1894,	24 00		
of 1895,	52 00		
Redivision of Wards,	65 00		
Printing Department of 1894,	12 00		
of 1895,	38 00		
Public Buildings Department of 1893,	1 00		
of 1894,	49 00		
Finance of 1893,	3 00		
of 1894,	1 00		
of 1895,	41 00		
Architect Department of 1894,	12 00		
of 1895,	14 00		
Collecting Department,	23 00		
Lamp Department,	18 00		
Market Department,	15 00		
Jure Seventeenth,	15 00		
Police of 1894,	1 00		
of 1895,	13 00		
Joint Rules and Orders,	12 00		
New Bridge to Cambridge,	10 00		
Ancient Records,	9 00		
Public Grounds Department,	9 00		
Ordinances and Law Department,	9 00		
Library Department,	8 00		
Treasury Department,	8 00		
Water Income Department,	7 00		
Contingent Expenses,	7 00		
Inspection of Vessels and Ballast,	7 00		
Ward-Room, Ward 22, of 1894,	7 00		
Appropriations of 1894,	2 00		
of 1895,	4 00		
City Messenger Department of 1893,	1 00		
of 1895,	5 00		
July 4th of 1893,	1 00		
of 1895,	5 00		
Memorial Day,	6 00		
Ferry Department,	4 00		
Mayor's Address,	4 00		
Assessing Department,	3 00		
Hospital Department,	3 00		
Schools and School-houses,	3 00		
Engineering Department,	2 00		
Investigation of Fire Department			
of 1893,	2 00		
Labor Day,	2 00		
City Clerk Department of 1894,	1 00		
Inspection of Provisions Dept. of			
1894,	1 00		
Legislative Matters,	1 00		
Abolishment of Grade Crossings of			
1894,	1 00		
East Boston Tunnel of 1893,	1 00		
Farragut Statue of 1893,	1 00		
Stony Brook of 1893,	1 00		
		\$3,036 00	
Carriage-hire :			
Committees :			
On Health Department,	\$329 00		
Park Department,	305 00		
<i>Carried forward,</i>	\$634 00	\$3,036 00	\$1,289,721 98

<i>Brought forward,</i>	\$634 00	\$8,036 00	\$1,289,721 98
Inspection of Buildings Dept.,	284 00		
Fire Department,	203 00		
Public Lands,	201 00		
Water Supply Department,	135 00		
Mount Hope Cemetery,	105 00		
Street Laying-out Department,	84 00		
Public Grounds Department,	84 00		
Street Department,	59 00		
Overseeing of the Poor Dept.,	45 00		
Public Institutions Department,	35 00		
Public Buildings Department,	34 00		
New Bridge to Cambridge,	28 00		
Engineering Department,	21 00		
Architect Department,	14 00		
Claims,	14 00		
Library Department,	9 00		
Assessing Department,	7 00		
Contingent Expenses of 1894,	7 00		
Finance,	7 00		
Registry Department,	7 00		
		2,017 00	
Funeral of ex-Governor Alexander H. Rice :			
Flowers,	\$200 00		
Carriage-hire,	20 00		
Badges,	6 00		
Refreshments,	2 00		
		228 00	
Funeral of ex-Mayor Hugh O'Brien :			
Flowers,	\$200 00		
Carriage-hire,	13 00		
Badges,	5 60		
		218 60	
		<u>\$5,499 60</u>	

INCIDENTAL EXPENSES.

Expenditures ordered by the City Council to be charged to this appropriation, and others not chargeable to any other appropriation, including legal expenses ; and claims against the City, recovered by judgment in the Courts or allowed upon the recommendation of the Committee on Claims.

DAMAGE SETTLEMENTS.

For judgments against the city, and settlements, by compromise, or otherwise, of claims for damages sustained by individuals on account of accidents arising from snow or ice on highways,

\$23,538 29

LEGAL EXPENSES.

For court fees, expert witnesses, and other legal expenses,
In connection with legislative affairs,

\$9,479 22

2,000 00

11,479 22

REDIVISION OF WARDS.

Frank A. Foster, services of self and assistants on surveys, maps, etc.,
Maps,
Stationery and materials,
Printing,

\$4,176 75

610 50

120 17

89 06

4,996 48

Carried forward,

\$40,008, 99 \$1,289,721 98

<i>Brought forward,</i>		\$40,008 99	\$1,289,721 98
Commission to examine and report on the city finances :			
Henry Parkman, J. D. W. Joy, and Charles H. Cole, services, Stenographic reporting,	\$1,750 00 75 16		
	<hr/>	1,825 16	
Eulogy on ex-Governor Alexander H. Rice, Dec. 3, 1895, Frederick Douglass, Dec. 20, 1895,	\$990 71 495 25		
	<hr/>	1,485 96	
Rent of dock for Public Landing, Commercial Wharf,		1,000 00	
Boston Transcript Company. Publishing proceedings of the City Council for February, 1895,	\$791 67		
Extra composition on Valedictory of Mayor Matthews,	100 00		
	<hr/>	891 67	
Bell-ringing, February 22, March 17, June 17, and July 4,		823 00	
Memorial volume of ex-Governor William Gaston,		598 61	
Clerks, telephone, and messenger service, and refreshments for clerks receiving election returns,		452 75	
Death and funeral of Councilman John T. O'Connor :			
Flowers,	\$220 00		
Memorial,	25 00		
Carriage-hire,	16 00		
Badges,	4 20		
	<hr/>	265 20	
Recording papers, etc.,		233 20	
S. F. McCleary, Treasurer of the Franklin Fund, one year,		200 00	
Joseph O'Kane, services as reading-clerk of the Common Council,		150 00	
Playground, Neponset :			
Rent,	\$100 00		
Erecting bridge,	41 56		
	<hr/>	141 56	
		<hr/>	
		\$48,076 10	
		<hr/>	
CITY COUNCIL PROCEEDINGS.			
Publishing proceedings and furnishing printed copies of same :			
Boston Transcript Co. for Jan., 1895,	\$791 67		
Advertiser Newspaper Co., March 1, 1895, to Jan. 31, 1896,	8,708 34		
	<hr/>	\$9,500 01	
Reporting,		4,958 82	
Indexing,		2,114 42	
Clerk-hire,		916 67	
Advertising,		23 63	
Stationery,		16 71	
		<hr/>	
		\$17,529 76	
		<hr/>	
<i>Carried forward,</i>			\$1,289,721 98

Brought forward,

\$1,289,721 98

RECAPITULATION.

City Council :

Contingent Fund, Joint Committees, \$5,499 60

Incidental Expenses, 48,076 10

\$1.45 of this amount drawn for but not paid.

City Council Proceedings, 17,529 76

71,105 46

City Debt, Redemption of.*Debt paid with money received from the Board of Commissioners of Sinking-Funds for that purpose.*

City Debt Proper, \$380,040 29

Mystic Water Debt, 65,000 00

\$445,040 29

Cost of redemption of matured bonds, 1,354 59

446,394 88

City Debt Requirements.

CITY DEBT :

Amount paid to Board of Commissioners of Sinking-Funds, being the percentages required by law to be raised for the redemption of outstanding loans at maturity,

\$1,254,704 00

INTEREST.

Interest paid on City Debt, \$1,537,573 64

Interest paid on Temporary Debt of 1895, 67,249 50

\$1,604,823 14

[This item of interest does not include any charge for interest on the " County, Water-Loans, Laying out and Construction of Highways, Blue Hill and other avenues, or Rapid Transit " loans, that interest being charged to the respective appropriations.]

RECAPITULATION.

City Debt, \$1,254,704 00

Interest, 1,604,823 14

2,859,527 14

City Messenger Department.

Salaries to January 23, 1896, inclusive :

Alvah H. Peters, City Messenger, \$2,991 56

Charles E. Silloway, Deputy, 1,511 52

Foster M. Spurr, Assistant, 1,511 52

Harry H. Osborn, Assistant, 1,482 87

Timothy Mooney, Assistant, 1,149 92

\$8,647 39

Janitor and assistants, and attendants in elevators,

8,129 47

Cleaning and supplies,

2,495 68

Telephones and messenger service,

1,798 80

Stationery and papers,

1,480 98

Flags, and ropes, chains, and stakes required for closing streets, for restraining crowds, carting, putting up, and removing same, care and repairs,

1,418 25

Cartage and small items,

1,328 60

Printing,

1,086 36

Washing towels,

720 00

Carriage-hire and travelling expenses,

198 20

Refreshments,

48 95

27,347 68

Carried forward,

\$4,694,097 14

*Brought forward,***\$4,694,097.14*****Clerk of Committees Department.*****Salaries:**

James L. Hillard, Clerk of Committees,	83,997 22
John P. Brawley, Asst. do.,	2,700 00
Clerk-hire,	3,027 95
Inspector of licensed minors,	1,200 00

\$10,925 17

Stationery,	909 40
Messenger service,	298 71
Printing,	281 42
Telephone service,	180 00
Carriage-hire and travelling expenses,	71 50

12,666 20***Collecting Department.*****Salaries: James W. Ricker, Collector,**

Deputy Collectors,	85,000 00
Clerk-hire,	45,697 99

85,191 85**\$85,889 84**

Advertising,	1,673 22
Travelling expenses,	1,505 00
Stationery,	1,458 28
Printing,	1,350 48
Auction expenses,	467 00
Telephone service,	180 00
Rodney McLaughlin, examination of accounts,	125 00
Recording deeds,	44 90

92,693 72***Common Council.****Payments for salaries of the clerk and his assistants, and for the Contingent Expenses of the Common Council.*

Joseph O'Kane, clerk,	83,000 00
Clerk-hire and messenger,	1,637 37

\$4,637 37***Refreshments.***

Common Council of 1894,	8111 00
of 1895,	1,459 00

Committees:

On Contingent Expenses,	94 00
Playground, Ward 14,	81 00
Durginville,	59 00

Tenement Districts, of 1894,	2 00
of 1895,	47 00

Public Records,	44 00
Playground, Ward 24,	43 00
Ward 3,	39 00

Cottage Hospital, Ward 23, of 1894,	9 00
of 1895,	30 00

Stony Brook,	36 00
Judiciary,	25 00

Playground, Ward 20,	21 00
Emergency Hospital, East Boston,	20 00

School Commissioners,	13 00
Playground, Wards 19 and 22,	12 00

Sanitary Condition, Ward 17, of 1894,	10 00
---------------------------------------	-------

Rules and Orders,	10 00
-------------------	-------

Sanitary Condition, Wards 3, 4, and 5,	10 00
--	-------

*Carried forward,***\$2,175 00****\$4,637,37****\$4,799,457 06**

DEBT DUE, OUTSTANDING.

47

<i>Brought forward,</i>	\$2,175 00	\$4,637 87	\$4,799,457 06
Badges,	9 00		
Boston & Maine R.R. property,	7 00		
Conference on Appropriations,	6 00		
Messenger Department,	6 00		
Sanitary Condition, Ward 10,	5 00		
Sanitary Condition, Ward 23,	5 00		
South Boston Improvements,	5 00		
Playground, Ward 17, of 1894,	3 00		
Elections,	1 00		
Widening Washington street, of 1894,	1 00		
Widening Tremont street, of 1894,	4 00		
Sidewalks, of 1894,	1 00		
	<hr/>	2,225 00	
Carriage-hire and travelling expenses Common Council,	\$414 00		
Committees :			
Playground, Ward 20,	685 00		
Emergency Hospital, E. Boston, of 1894,	8 00		
of 1895,	453 00		
Playground, Ward 14,	424 00		
Playground, Ward 3,	322 00		
Cottage Hospital, Ward 23,	287 00		
Stony Brook,	280 00		
Tenement Districts,	229 00		
Contingent Expenses,	207 00		
Sanitary Condition, Wards 3, 4, and 5,	174 00		
South Boston Improvements,	166 00		
Preservation of Records,	142 00		
Durginville,	136 00		
Playground, Ward 24,	72 00		
Playground, Wards 19 and 22,	67 00		
Sanitary Condition, Ward 23,	42 00		
Boston & Maine R.R. property,	8 00		
	<hr/>	4,116 00	
Seventy-five badges for Councilmen of 1895,		523 00	
Two portraits of President O'Brien,		300 00	
Closing proceedings of 1894, printing and binding,		203 59	
Seventy-five Keystone files,		181 25	
Plans of seats,		27 50	
		<hr/>	12,165 71
<i>Corporation Tax.</i>			
Amount paid Treasurer of the Commonwealth in settlement of this tax,			2,848 24
<i>Damages by Dogs, etc.</i>			
<i>Payment for killing unlicensed dogs, and for damage done by dogs, etc.</i>			
Henry J. Schenck, killing dogs,	\$2,156 00		
Damages for fowls killed,	186 25		
	<hr/>		2,342 25
<i>Debt due, Outstanding.</i>			
Debt due and drawn for in previous years, but not called for until 1895-96,			3,000 00
			<hr/>
<i>Carried forward,</i>			\$4,819,813 26

*Brought forward,***\$4,819,813 26*****Election Department.****Election expenses from July 1, 1895.*

Salaries:

Commissioners,

Linus E. Pearson,
 chairman, \$2,000 00
 James J. Costello, 1,750 00
 George B. Billings, 1,750 00
 Lewis G. Farmer, 1,750 00

\$7,250 00

Melancthon W. Burlen, sec'y, 1,250 00

Assistants and messenger, 25,274 75

\$83,774 75

Election officers,	22,363 00
Printing,	11,509 94
Repairs and fitting up precinct voting places,	7,706 65
Rents,	5,279 84
Care of rooms,	4,630 29
Carriage-hire and travelling expenses,	4,367 28
Furniture and cartage,	3,858 65
Stationery and maps,	3,545 28
Advertising,	2,879 74
Boards and posting,	1,093 78
Refreshments,	594 30
Repairs of ballot-boxes,	437 17
Copying polls from Assessors' books,	424 24
Labor,	268 00
Electric lighting,	210 01
Constables' services,	154 00
Fuel,	136 65
Gas,	97 66
Telephone service,	97 65
Reports of hearings,	89 50
Office expenses,	65 77
Water-rates,	60 00

103,644 15*\$127.00 of this amount drawn for but not paid.****Engineering Department.****Surveying Department, consolidated with this department
July 1, 1895.*

Salaries:

Engineer, William Jackson, \$6,000 00
 Assistant Engineer, draughts-
 men, and assistants, 40,783 22

\$46,783 22

Instruments, tools, and repairs,	1,454 02
Stationery and drawing materials,	1,057 41
Design and plans for Roxbury High Fort,	723 66
Travelling expenses,	717 59
Printing,	578 59
Books and papers,	567 55
Board of and shoeing horse and repairs of vehicles and harnesses,	506 77
Furniture,	328 88
Binding,	292 55
Washing and small supplies,	257 52
Telephone service,	192 80
Typewriting,	84 75

53,495 31*Carried forward,*

\$4,976,952 72

Brought forward,

\$4,976,952 72

Fire Department.*Payments for this department, including inside repairs on houses.*

Salaries to January 23, 1896, inclusive:

¹ Commissioners —

Henry S. Russell,	\$4,341 01
Robert G. Fitch, to July 1, 1895,	1,505 41
George H. Innis, to July 1, 1895,	1,505 41
B. F. Underhill, Jr., Clerk,	2,393 56
L. P. Webber, Chief Engineer,	3,490 24
District Chiefs,	28,075 32

Enginemmen, assistant enginemmen and drivers, and officers and members of the various engine, hook-and-ladder, and hose companies,

782,064 54

Clerks and messenger in office,

4,922 50

Pensioners,

83,268 92

Extra-service men,

823 50

\$812,385 41

Horses:

Hay, grain, and straw,

\$26,976 43

Shoeing,

11,483 02

Purchase and exchange of,

9,443 59

Harnesses and repairs,

4,069 70

Horse-hire,

1,875 00

Medical attendance and medicine,

798 28

54,146 02

Repairs of apparatus, including stock sent to repair-shop:

Mechanics,

\$20,540 42

Materials,

9,081 14

29,621 56

Repairs of houses,

22,885 86

Fuel for houses and engines,

19,147 46

New apparatus:

Three engines,

\$10,680 00

Four chemical engines,

5,210 75

Three hose-wagons,

1,475 00

Four wagons,

1,125 00

Six extinguishers,

270 00

Six Pompier ladders,

180 00

Six door-openers,

120 00

Three-horse hitch,

95 00

19,155 75

Furniture and bedding,

\$8,165 01

Washing,

4,521 62

12,686 63

Hose and repairs,

9,789 39

Gas,

7,377 56

Tools and supplies,

5,798 72

Rents,

4,265 71

Water-rates,

1,943 60

Electric lighting,

1,610 61

Printing,

1,134 90

Watering streets,

1,022 95

Hats, badges, and buttons,

995 21

Carried forward,

\$1,003,967 34 \$4,976,952 72

¹ Board of Fire Commissioners abolished and department put in charge of one Fire Commissioner from July 1, 1896, by Chap. 449, Acts of 1895, Henry S. Russell, commissioner, from July 1, 1895.

<i>Brought forward,</i>	\$1,003,967 84	\$4,976,952 72
Janitor at headquarters,	760 00	
Medical services,	600 00	
Stationery,	585 29	
Ice,	526 40	
Chemicals,	425 79	
Expenses of detailed men,	386 41	
Rent of gas regulators, and inspection,	290 50	
Examination of accounts,	195 00	
Travelling expenses of Commission,	174 00	
Sewer assessment, Dorchester avenue,	166 20	
Damages,	107 59	
Advertising,	104 56	
Use of tow-boat at fire,	90 00	
Removing ashes,	82 50	
Repairs of reservoir,	35 00	
Refreshments for men at fires,	21 75	
Freights,	16 39	
Hydrants and reservoirs : for use of water at fires,	12,548 00	
FIRE-ALARM TELEGRAPH AND INSPECTION OF WIRES.		
Salaries : Brown S. Flanders,		
Superintendent,	\$3,190 72	
Operators, repairers,		
etc.,	34,135 22	
	<hr/>	
	\$37,325 94	
Wire and cables,	26,691 21	
Instruments, tools, and repairs,	8,139 23	
Laying ducts,	1,961 54	
Repairs,	1,413 14	
Telephone service,	765 76	
Electric power,	593 29	
Clock Roslindale Congregational Church,	415 00	
Horse-keeping,	319 75	
Cartage and freights,	275 92	
Car-fares and travelling expenses,	270 39	
Electric-light for clocks,	235 57	
Repairs of clocks,	159 03	
Obtaining correct time,	155 54	
Chemicals,	125 57	
Plans and specifications for Fire Alarm tower for Engine-house 41,	35 00	
Trimming trees,	28 00	
Stationery and printing,	7 09	
	<hr/>	
	78,916 97	
	<hr/>	
	\$1,099,999 69	
	<hr/>	
FIRE-BOAT NO. 2.		
(Cost of boat, \$50,000.)		
<i>Balance of payments.</i>		
Contractor,	\$35,113 75	
Increase in fire-pump suction,	545 00	
Inspection,	385 00	
	<hr/>	
	\$36,043 75	
	<hr/>	
RECAPITULATION.		
Fire Department,	\$1,099,999 69	
\$7.92 of this amount drawn for but not paid.		
Fire-boat No. 2,	36,043 75	
	<hr/>	
		1,136,043 44
		<hr/>
<i>Carried forward,</i>		\$6,112,996 16

<i>Brought forward,</i>		\$6,112,996 16
<i>Franklin Trade School Fund.</i>		
Carriage-hire for Trustees,	\$48 00	
Advertising for land,	36 13	
Printing,	4 54	
	<hr/>	88 67

Health Department.

Salaries — Commissioners :		
Samuel H. Durgin,	\$4,216 67	
George F. Babbitt,	3,000 00	
Edwin L. Pillsbury, from July 1, 1895,	1,500 00	
Secretary, Charles E. Davis, Jr.,	2,700 00	
Clerk-hire,	6,293 38	
Physicians,	4,050 00	
Inspectors at Abattoir,	3,196 84	
Medical Inspector,	1,750 00	
Health Inspectors,	29,712 84	
Medical Inspectors of Schools,	8,974 83	
Superintendent of Peddlers,	1,196 52	
Examiner of Plumbers,	212 00	
Examiner of candidates for Police and Fire Departments,	1,120 00	
Inspector of Milk and Vinegar, from July 1, 1895,	1,500 00	
Assistants,	3,570 00	
Inspector of Provisions, from July 1, 1895,	850 48	
	<hr/>	\$73,843 56
Abatement of nuisances,		8,919 09
Bacteriologist, assistants and supplies,		5,750 00
Ambulance, wagon, exchange of horse, horse-hire, board of and shoeing horses and repairs of vehicles and harnesses,		5,322 34
Urinals — Attendants,	\$3,437 16	
Repairs,	955 55	
Fuel and small supplies,	125 05	
	<hr/>	4,517 76
Printing,		3,028 04
Epidemic Hospitals :		
Employés,	\$627 50	
Subsistence,	617 69	
Fuel,	886 75	
Furnishings,	60 57	
Water-rates,	177 60	
Care of grounds and clearing snow,	138 80	
Repairs,	122 28	
Ice,	55 56	
Cartage,	2 75	
	<hr/>	2,689 45
Tools and supplies,		1,432 77
Stationery,		1,386 75
Travelling expenses,		1,351 73
Disinfectants, etc.,		1,096 19
Telephone service,		1,079 93
Office expenses,		711 33
Morgue, care of,	\$358 80	
Water-rates,	10 00	
Gas,	4 14	
	<hr/>	372 94
Vaccine matter,		296 94
Carriage-hire and travelling expenses of Board,		186 50

Carried forward,

\$111,985 32

\$6,113,084 83

<i>Brought forward,</i>		\$111,985 32	\$6,113,084 83
Medical supplies,		33 50	
Advertising,		22 45	
		<hr/>	
		\$112,041 27	
CEMETERIES — CARE AND REPAIRS.			
<i>King's Chapel, Granary, Central, South, Eustis, Kearsarge, and Hawes:</i>			
L. W. Ross, for care,	\$1,200 00		
Clearing snow,	500 00		
Tools,	90 86		
Water-rates,	60 00		
	<hr/>	\$1,850 86	
Dorchester North:			
Labor,	\$800 00		
Repairs,	20 10		
	<hr/>	820 10	
Copp's Hill:			
Labor,	\$615 00		
Repairs and grass seed,	46 50		
	<hr/>	661 50	
Charlestown:			
Labor,	\$314 00		
Repairs,	8 75		
	<hr/>	322 75	
East Boston:			
Care,		300 00	
Dorchester South:			
Care,	\$200 00		
Repairs,	18 00		
	<hr/>	218 00	
Eustis Street:			
Repairs,		90 54	
Granary:			
Repairs,		53 78	
Walter street:			
Care and repairs,		50 48	
Westerly:			
Care,		50 00	
South:			
Repairs,		34 59	
King's Chapel:			
Repairs,		14 75	
Central:			
Repairs,		9 75	
Kearsarge:			
Repairs,		4 35	
Hawes:			
Repairs,		2 50	
	<hr/>	4,483 95	
EVERGREEN CEMETERY.			
Labor,	\$2,880 50		
Board of and shoeing horse,	261 25		
Plants,	79 91		
Repairs and supplies,	27 41		
	<hr/>	3,249 07	
PUBLIC BATHS.			
Superintendence and labor,	\$15,082 27		
Repairs and alterations,	2,056 94		
Rents,	750 00		
Tools, hardware, and small supplies,	727 62		
Cartage,	115 00		
Water-rates,	75 20		
	<hr/>		
<i>Carried forward.</i>	\$18 807 03	\$119,774 29	\$6,113,084 83

HOSPITAL DEPARTMENT.

53

<i>Brought forward,</i>	\$18,807 03	\$119,774 29	\$6,113,084 83
Travelling expenses,	35 00		
Fuel,	15 69		
	<hr/>	18,857 72	
Quarantine:			
Salaries: Francis A. Lane, Port Physician, to Dec. 5, 1895,	\$1,116 67		
David D. Brough, do., from Dec. 6, 1895,	83 33		
David D. Brough, Assistant Port Physician, to Dec. 5, 1895, inclusive,	930 52		
Employés,	2,338 31		
	<hr/>	\$4,468 83	
Subsistence supplies,	1,165 40		
Repairs,	1,396 42		
Four horses, cart, agricultural implements, seeds, etc.,	1,352 26		
Barn,	1,066 00		
Furniture and furnishings,	253 85		
Medical,	115 00		
Fuel,	112 50		
Stationery,	55 42		
Printing,	9 75		
	<hr/>	\$9,995 43	
Steamer "Vigilant" — captain, engineer, fireman, and deckhands,	\$5,515 31		
Fuel,	1,613 78		
Repairs,	1,534 92		
Subsistence supplies,	1,499 37		
Chandlery and supplies,	569 90		
Furniture,	267 46		
Water-rates,	100 00		
Use of towboats,	25 00		
	<hr/>	11,125 74	
		<hr/>	21,121 17
			<hr/>
			159,753 18

Dorchester South Cemetery Trust Fund.

Investment in City of Boston bond of receipts for perpetual care of lots,	100 00
---	--------

Evergreen Cemetery Trust Fund.

Investment in City of Boston bond of receipts for perpetual care of lots,	100 00
---	--------

Hospital Department.

Salaries: G. H. M. Rowe, Superintendent and Resident Physician,	\$4,000 00		
Employés,	87,555 66		
	<hr/>	\$91,555 66	
Subsistence supplies for officers and inmates,		84,496 36	
Furniture and furnishings,		25,661 96	
Repairs and cleaning of buildings and fixtures,		19,622 97	
		<hr/>	
<i>Carried forward,</i>		\$221,336 95	\$6,273,038 01

<i>Brought forward,</i>	\$221,836 95	\$6,273,038 01
Medical supplies,	18,567 98	
Fuel,	14,720 57	
Liquors,	5,345 44	
Gas,	4,732 57	
Buggy, horses, keeping animals, and repairs of vehicles,	3,592 40	
Printing,	3,291 97	
Water-rates,	3,271 60	
Ice,	2,089 06	
Stationery,	1,949 17	
Soap,	1,146 95	
Grounds,	835 69	
Installing telephone system,	850 00	
Telephone service,	793 38	
Rent, house, E. Springfield street,	585 00	
Cartage, freights, and small items,	407 53	
Cooking-school,	184 00	
Travelling expenses,	180 86	
Advertising,	169 00	
Lessons in massage,	162 00	
Removing ashes,	105 75	
Telegrams and messenger service,	100 05	
	<hr/>	
	\$284,417 92	

NEW BUILDINGS, CITY HOSPITAL.

Continuation of payments.

Surgical, Operating, and Ward buildings, Stephen Brennan,	\$93,000 00	
Hospital for contagious cases: Whidden & Co.,	70,500 00	
Other parties,	4,324 16	
Heating and ventilating apparatus, Walworth Construction and Supply Co.,	18,800 53	
Plumbing, Henry Hussey & Co.,	3,339 74	
Wiring for electric lighting, Godfrey Elec- tric Construction Co.,	2,980 96	
Nurses' Home, mortuary and laundry: Whid- den & Co.,	29,937 82	
Electric wiring, Edison Electric Illuminating Company,	1,443 30	
Pathological building, Connery & Wentworth,	39,106 41	
Electric wiring, Hawks Electric Co.,	715 17	
Heating and ventilating, Surgical, Operating, Ward, and Pathological Buildings, Lynch & Woodward,	35,300 00	
Laundry machinery, Poland Laundry Machinery Co.,	12,080 00	
Asphalt pavement, Simpson Bros.,	9,872 80	
Fuel,	7,496 33	
Grading and erecting ambulance-shed, Pierce F. Lonergan,	5,468 94	
Stone & Webster, plans and specifications for electric wiring and lighting,	3,249 52	
F. Tudor, services on plans and specifications for heating and ventilating,	1,462 05	
Superintendent of construction,	1,310 00	
Painting,	1,244 50	
Furnishing bakery and service-rooms,	930 00	
Coal shed	865 00	
Gas-fixtures,	751 75	

Carried forward,

\$344,178 98 \$6,273,038 01

<i>Brought forward,</i>	\$344,178 98	\$6,273,038 01
Paving sidewalks,	715 85	
Fire-pipes, etc.,	545 18	
Elevator,	432 25	
Masonry and stone work,	412 15	
Printing,	482 65	
City Architect's assistants,	359 03	
Carpentry,	342 51	
Iron-work and tools,	146 75	
Geo. F. Swain, professional services,	120 00	
Mosaic-work,	67 56	
Cartage,	68 23	
Asbestos covering for boilers,	27 60	
Advertising,	22 75	
Furniture and furnishings,	30,816 33	
	<u>\$378,237 82</u>	

{RECAPITULATION.

Hospital Department,	\$284,417 92	
New Buildings, City Hospital,	<u>378,237 82</u>	662,655 74

Improved Sewerage.

Continuation of payments on account of providing an improved system of sewerage, under the order of the City Council of August 9, 1877.

Land damages,		\$924 32
Sect. 9, Dorchester :		
Labor,	\$2,003 98	
Masonry,	526 65	
Brick,	430 30	
Sand and cement,	258 25	
Filling,	188 65	
Fuel,	132 76	
Tools, hardware, and general supplies,	128 68	
Teaming and freights,	46 50	
Drain-pipe,	36 69	
Lumber,	17 79	
	<u>3,770 45</u>	
Sect. 11, Dorchester :		
Labor,	\$14,624 27	
Brick,	1,543 48	
Sand and cement,	1,140 10	
Fuel,	124 28	
Lumber,	205 17	
Tools, hardware, and general supplies,	1,171 42	
Teaming,	263 50	
Drain-pipe,	175 61	
Clothing,	61 68	
Stone,	16 00	
	<u>19,325 51</u>	
Neponset Intercepting Sewer :		
Labor,	\$2,440 19	
Tools, hardware, and general supplies,	598 15	
Teaming,	54 00	
Lumber,	12 56	
	<u>3,104 90</u>	
<i>Carried forward,</i>	<u>\$27,125 18</u>	<u>\$6,935,693 75</u>

<i>Brought forward,</i>	\$27,125 18	\$6,935,693 75
Sect. 8, Dorchester :		
Haying, ploughing, and harrowing,	80 00	
Engineering,	2,848 69	
Commonwealth of Massachusetts. Tide water displacement, East Shaft, Dorchester Bay,	500 00	
Rent and care of office,	448 02	
Tools and supplies,	274 40	
Insurance on employes.	260 00	
Office expenses,	211 75	
Engineering expenses,	198 42	
Advertising,	106 42	
Stationery,	70 30	
Telephone service,	30 00	
Printing,	25 44	
Clothing,	20 80	
		32,199 42

Inspection of Milk and Vinegar Department.

Department abolished July 1, 1895, by Chap. 449, Acts of 1895. (See Health Department.)

Salaries :

Charles Harrington, Inspector,		
to July 1, 1895,	\$1,500 00	
Assistants,	3,460 91	
		\$4,960 91

Horse, wagon, harness, board of and shoeing horse, and repairs of wagon and harness,	573 51	
Instruments, tools, and general supplies,	319 43	
Printing,	202 65	
Travelling expenses,	143 16	
Stationery,	120 08	
Telephone service,	81 00	
		6,400 74

Inspection of Provisions Department.

Department abolished July 1, 1895, by Chap. 449, Acts of 1895. (See Health Department.)

Salaries :

D. F. McCarthy, Inspector, to		
July 1, 1895,	\$850 00	
Deputy Inspector, to July 1, 1895,	400 00	
		\$1,250 00

Feed for and shoeing horse, and repairs of vehicle and harness,	287 69	
Stationery and office expenses,	33 47	
		1,571 16

Institutions Department.

Payments for carrying on and maintaining the various public charitable and reformatory institutions which are under the supervision and control of the Commissioners of Public Institutions. The Board of Commissioners of Public Institutions was abolished July 1, 1895, and the Institutions placed in charge of one Institutions Commissioner by Chap. 449, Acts of 1895. For the House of Correction. see County of Suffolk.

HOUSE OF INDUSTRY, at Deer Island.

Salaries :

James R. Gerrish,		
Superintendent,	\$2,500 00	
Employes,	33,171 32	
		\$35,671 32

<i>Carried forward,</i>	\$35,671 32	\$6,975,865 07
-------------------------	-------------	----------------

<i>Brought forward,</i>	\$35,671 32		\$6,975,865 07
Subsistence supplies for officers and inmates,	48,898 54		
Clothing and bedding, including material for making the same,	15,719 48		
Fuel and gas coal,	13,870 88		
Repairs and alterations,	8,522 17		
150 sewing machines,	3,780 00		
Furniture and furnishings,	3,770 12		
Horses, feed for animals, agricultural implements, and seeds,	3,262 12		
Tobacco,	1,656 83		
Religious services,	1,470 49		
Medical supplies and surgical instruments,	\$1,013 01		
Liquors,	148 33		
	<hr/>	1,161 34	
Soap and soap stock,	789 45		
Stationery and postage,	405 39		
Telephone service,	284 20		
Printing-office, stock, materials, and repairs,	283 49		
Oils,	263 38		
Insurance,	260 71		
Cartage,	241 08		
Printing,	147 70		
Towboat, breaking ice,	84 00		
Advertising,	69 25		
Entertainments for inmates,	60 00		
Books and papers,	37 69		
Travelling expenses,	17 70		
Entertainment of City Government visiting Institution, Oct. 28, 1895,	182 00		
Entertainment of Christian Endeavor Delegation,	75 00		
Stone Department:			
Mechanical labor,	\$2,520 00		
Stone,	15,659 86		
Freights,	2,117 80		
Tools and materials,	815 18		
	<hr/>	21,112 84	
			\$162,097 12
LUNATIC HOSPITAL, at South Boston and West Roxbury, to Aug. 1, 1895.			
Salaries:			
Dr. Theodore W. Fisher, Superintendent,	\$1,458 32		
Employés,	19,447 16		
	<hr/>	\$20,905 48	
Subsistence supplies for officers and inmates,	19,282 85		
Fuel,	7,673 41		
Repairs and alterations,	5,875 75		
Cows, wagon, feed, agricultural implements, and seeds,	3,247 02		
Water-rates,	2,493 00		
Clothing and bedding, including material for making same,	2,201 40		
	<hr/>		
<i>Carried forward,</i>	\$61,678 91	\$162,097 12	\$6,975,865 07

<i>Brought forward,</i>	\$61,678 91	\$162,097 12	\$6,975,865 07
Ice-house, Pierce Farm,	1,732 00		
Furniture and furnishings,	1,494 29		
Medicines and surgical instruments,	\$581 73		
Liquors,	206 73		
	<hr/>		
	788 46		
Soap and soap stock,	771 28		
Oils,	690 30		
Gas,	316 06		
Ice,	236 44		
Telephone service,	186 18		
Stationery,	177 87		
Books and papers,	63 45		
Transportation,	61 88		
Printing,	56 38		
Tobacco,	41 80		
Entertainments for inmates,	40 50		
Burial expenses,	36 00		
Advertising,	34 10		
Cartage,	32 98		
Carriage-hire Board of Commissioners,	20 00		
	<hr/>		
		68,458 88	
INSANE HOSPITAL, AUSTIN FARM.			
Salaries :			
Dr. Edward B. Lane, Superintendent,	\$805 56		
Employés	8,015 24		
	<hr/>		
	\$8,820 80		
Subsistence supplies for officers and inmates,	8,824 25		
Repairs and alterations,	2,206 12		
Furniture and furnishings,	1,939 09		
Clothing and bedding, including material for making same,	1,629 03		
Fuel,	1,478 15		
Water-rates,	882 00		
Buggy, feed, agricultural implements, and seeds,	769 38		
Soap and soap stock,	524 97		
Oils,	474 38		
Medicines and surgical instruments,	\$309 03		
Liquors,	3 25		
	<hr/>		
	812 28		
Stationery,	124 38		
Rent of house, Back street,	75 00		
Tobacco,	41 46		
Telephone service,	35 20		
Printing,	32 00		
Burial expenses,	30 00		
Transportation,	25 99		
Entertainments for inmates,	13 53		
Books and papers,	8 70		
Cartage,	2 65		
	<hr/>		
		28,249 36	
INSANE HOSPITAL, PIERCE FARM.			
Salaries :			
Dr. Theodore W. Fisher, Superintendent, three months,	\$624 99		
Employés,	7,127 33		
	<hr/>		
	\$7,752 32		
	<hr/>		
<i>Carried forward,</i>	\$7,752 32	\$258,805 86	\$6,975,865 07

<i>Brought forward,</i>	\$7,752 32	\$258,805 36	\$6,975,865 07
Subsistence supplies for officers and inmates,	5,891 62		
Repairs and alterations,	3,517 38		
Fuel,	2,326 84		
Cows, feed, agricultural implements, and seeds,	2,073 31		
Furniture and furnishings,	1,267 31		
Clothing and bedding, including material for making same,	613 29		
Oils,	550 22		
Medicines and surgical instruments, \$201 86			
Liquors, 37 10			
	238 96		
Insurance on boilers,	200 00		
Water-rates,	178 80		
Ice,	172 50		
Stationery,	124 96		
Soap and soap stock,	104 73		
Transportation,	85 25		
Entertainments for inmates,	47 06		
Books and papers,	41 44		
Cartage, etc.,	32 93		
Tobacco,	31 20		
Telephone service	11 81		
Printing,	11 00		
		25,272 93	
MARCELLA-STREET HOME.			
Alfred B. Heath, Superintendent and Physician, to March 12, 1895, inclusive, \$483 33			
William A. White, Superintendent and Physician, from March 15, 1895, 1,500 00			
Employés, 11,857 82			
	\$13,841 15		
Subsistence supplies for officers and inmates,	15,486 83		
Clothing and bedding,	6,414 59		
Repairs and alterations,	5,630 10		
Fuel,	2,809 39		
Furniture and furnishings,	2,410 76		
Water-rates,	1,503 00		
Horse, buggy, feed for and shoeing horses, and repairs of vehicles and harnesses,	1,303 63		
Gas,	519 05		
Soap,	446 17		
Medical supplies and surgical instruments, \$426 59			
Liquors, 15 64			
	442 23		
Ice,	314 13		
Books and papers,	280 14		
Telephone service,	229 29		
Entertainments for inmates,	180 03		
Stationery,	113 98		
Support of children at Kindergarten for Blind,	99 69		
Grounds,	75 21		
<i>Carried forward,</i>	\$52,099 37	\$284,078 29	\$6,975,865 07

<i>Brought forward,</i>	\$52,099 37	\$284,078 29	\$6,975,865 07
Printing,	71 75		
Advertising,	58 93		
Burial expenses,	38 00		
Cartage and transportation,	32 28		
Watering street,	28 00		
Oils,	18 45		
	<hr/>	52,346 78	
ALMSHOUSE, CHARLESTOWN.			
Salaries:			
Chandler Eastman,			
Superintendent, \$1,300 00			
Employés, 1,632 00			
	<hr/>		
	\$2,932 00		
Subsistence supplies for offi-			
ciers and inmates,	5,418 40		
Repairs and alterations,	1,440 64		
Fuel,	793 30		
Cows, feed for animals, repairs			
of vehicles, seeds, etc.,	699 11		
Clothing and bedding,	569 98		
Water-rates,	319 40		
Soap,	315 29		
Gas,	305 63		
Furniture and furnishings,	226 17		
Medical Supplies, \$147 39			
Liquors, 41 08			
	<hr/>		
	188 47		
Tobacco,	175 66		
Cartage,	133 12		
Telephone service,	116 30		
Oils,	88 97		
Burial expenses,	70 00		
Snuff,	54 00		
Stationery,	39 49		
Advertising,	29 75		
Printing,	23 25		
Entertainments for inmates,	16 00		
	<hr/>	13,954 93	
HOME FOR PAUPERS, LONG ISLAND.			
Salaries to March 15, 1895:			
Chas. H. Cogswell, Superin-			
tendent, \$450 00			
Employés, 3,022 08			
	<hr/>		
	\$3,472 08		
Subsistence supplies for officers			
and inmates,	5,691 52		
Fuel,	5,575 27		
Clothing and bedding,	1,448 38		
Repairs and alterations,	1,170 83		
Furniture and furnishings,	424 57		
Feed, agricultural implements,			
and seeds,	381 19		
Medical supplies and surgical			
instruments, \$251 95			
Liquors, 104 25			
	<hr/>		
	356 20		
Tobacco,	301 70		
Oils,	202 96		
Soap and soap stock,	157 02		
Stationery,	128 67		
Telephone service,	121 67		
	<hr/>		
<i>Carried forward,</i>	\$19,432 06	\$350,380 00	\$6,975,865 07

<i>Brought forward,</i>	\$19,432 06	\$350,380 00	\$6,975,865 07
Printing,	69 00		
Religious services,	59 73		
Snuff,	9 00		
Advertising,	3 00		
Freight,	1 94		

19,574 73

HOME FOR PAUPERS, RAINSFORD ISLAND.

Salaries :

John Galvin, Superintendent, to	
March 31, 1895,	\$843 75
Employés,	673 00
	<hr/>
	\$1,516 75

Subsistence supplies for officers and inmates,	2,872 40
Clothing and bedding,	189 49
Feed, agricultural implements and seeds,	187 11
Repairs and alterations,	141 53
Medical supplies and surgical instruments,	\$100 43
Liquors,	36 82

137 25

Telephone service,	115 00
Religious services,	59 55
Oils,	50 64
Tobacco,	49 50
Soap and soap stock,	49 17
Furniture and furnishings,	35 00
Snuff,	27 00
Stationery,	22 09
Printing,	5 00

5,457 48

BOSTON ALMSHOUSE AND HOSPITAL,
LONG ISLAND.

Salaries, from March 15, 1895:

Chas. H. Cogswell, Superintendent,	\$1,816 66
Employés,	10,122 88
	<hr/>
	\$11,939 54

Subsistence supplies for officers and inmates,	19,010 40
Repairs and alterations,	8,574 14
Fuel,	4,100 60
Clothing and bedding,	2,276 33
Cart, cows, feed, agricultural implements and seeds,	1,847 07
Furniture and furnishings,	1,655 95
Medical supplies and surgical instruments,	\$856 22
Liquors,	798 40

1,654 62

Water-rates,	1,175 00
Soap and soap stock,	620 81
Tobacco,	482 63
Oils,	474 55
Stationery,	398 39
Insurance,	280 00
Printing,	220 87
Use of tow-boats carrying water to island,	140 00
Religious services,	96 76

Carried forward,

\$54,947 66

\$375,412 21

\$6,975,865 07

<i>Brought forward,</i>	\$54,947 66	\$375,412 21	\$6,975,865 07
Ice,	90 00		
Telephone service,	61 90		
Snuff,	61 50		
Advertising,	17 23		
Freight and small items,	14 00		
		55,192 29	
HOUSE OF REFORMATION, RAINSFORD ISLAND.			
Salaries:			
Michael T. Donohoe, Superintendent, to May 21, 1895, inclusive,	\$131 25		
L. D. Perkins, ditto, from June 18, 1895,	954 17		
Employés,	4,069 32		
		\$5,154 74	
Subsistence supplies for officers and inmates,	3,096 53		
Clothing and bedding, including material for making the same,	2,119 11		
Furniture and furnishings,	1,918 52		
Repairs and alterations,	1,293 08		
Fuel,	849 30		
Printing-office, stock, materials, and repairs,	633 22		
Feed for animals, agricultural implements, and seeds,	351 17		
Stationery and postage,	197 39		
Books and papers,	109 54		
Printing,	103 85		
Religious services,	84 96		
Ice,	68 75		
Telephone service,	66 50		
Soap and soap stock,	64 20		
Oils,	56 54		
Medical supplies and surgical instruments,	\$20 02		
Liquors,	16 25		
		36 27	
Cartage,	10 92		
Advertising	7 88		
Entertainment of City Government visiting institution,	182 00		
		16,354 47	
PARENTAL SCHOOL.			
Salaries:			
Moses J. Perkins, Superintendent from April 25, 1895,	\$920 00		
Employés	1,721 65		
		\$2,641 65	
Repairs and alterations,	3,400 19		
Furniture and furnishings,	1,106 57		
Subsistence supplies for officers and inmates,	1,067 79		
Clothing and bedding,	1,015 28		
Fuel,	578 82		
Cows, feed, agricultural implements, and seeds,	416 15		
Books and papers,	221 19		
<i>Carried forward,</i>	\$10,447 64	\$446,958 97	\$6,975,865 07

<i>Brought forward,</i>	\$10,447 64	\$446,958 97	\$6,975,865 07
Gas,	100 95		
Insurance on boilers,	100 00		
Telephone service,	49 43		
Carriage-hire,	43 00		
Printing,	34 75		
Soap and soap stock,	31 30		
Medical supplies and surgical instruments,	25 06		
Stationery,	21 90		
Carting and small items,	11 41		
Oils,	4 75		
	<hr/>	10,870 19	

PAUPER EXPENSES.

Payments for the support of insane persons, paupers, and prisoners, having a settlement in this city, in State lunatic hospitals, almshouses, and houses of correction, transportation of paupers to the State almshouse, etc.

State lunatic hospitals,	\$129,683 56
Paupers in other cities and towns,	23,022 52
Idiotic school,	11,618 75
Agents, clerks, messengers, etc.,	11,603 09
Hospital for dipsomaniacs and inebriates,	6,252 67
Transportation expenses,	3,256 78
Medical services,	8,103 55
Four horses, ambulance, board of and shoeing horses, and repairs of vehicles and harnesses,	2,955 81
Clerical services	707 93
Clothing, etc.,	555 45
Stationery,	511 31
Printing,	398 46
Gratuities,	244 60
Telephone service,	215 82
Food for paupers,	147 75
Messenger service,	6 35
	<hr/>

194,284 40

STEAMER "J. PUTNAM BRADLEE."

This boat runs from the city to Deer, Long, and Rainsford Islands, for the accommodation of the city institutions.

Manning,	\$8,467 80
Repairs,	1 862 18
Rent of Sargent's Wharf,	2,000 00
Use of steamer during repairs,	882 50
Chandlery and supplies,	224 28
Telephone service,	168 00
Furnishings,	125 67
Repairs of wharf,	46 49
Fuel,	14 71
Printing,	11 85
	<hr/>

13,803 48

OFFICE EXPENSES.

Salaries:

Board of Commissioners,

Thomas L. Jenks,

Chairman, to July

1, 1895,

\$2,000 00

Carried forward, \$2,000 00

\$665,917 04

\$6,975,865 07

CITY PAYMENTS.

<i>Brought forward,</i>	\$2,000 00		\$665,917 04	\$6,975,865 07
Edwin L. Pilsbury, to July 1, 1895,	1,750 00			
Thomas H. Devlin, to Jan. 22, 1895, inclusive,	213 89			
John D. Berran, from Jan. 23 to July 1, 1895,	1,536 11			
Secretary of the Board, Michael T. Donohoe, to May 9, 1895, inclusive,	1,075 00			
Alfred B. Heath, In- stitutions Commis- sioner, from July 1, 1895,	2,500 00			
Edwin W. Dwight, Deputy Commis- sioner, from July 1, 1895,	1,500 00			
Secretary, Hubert Pope, from July 1, 1895,	1,250 00			
Clerk-hire,	6,199 14			
		\$18,024 14		
Alterations and repairs of office	5,250 32			
Furniture and office expenses,	1,404 43			
Stationery,	510 96			
Telephone service,	324 52			
Printing,	208 55			
Carriage-hire,	33 00			
			25,755 92	
			\$691,672 96	
CHAPEL AND ADMINISTRATION BUILDING, LONG ISLAND.				
<i>Payments on account.</i>				
Chapel, Hersee Brothers,		\$10,010 30		
Physician's House, Herbert F. Miller,		8,717 00		
Architects, Winslow & Wetherell,		735 85		
			\$19,463 15	
HOUSE OF INDUSTRY, ALTERATIONS AND ADDITIONS.				
<i>Payments on account.</i>				
Architects, Winslow & Wetherell,		\$2,500 00		
Brick,		727 20		
Lumber,		309 17		
Advertising,		96 75		
Lime,		71 25		
Cement,		69 00		
			\$3,773 37	
NEW BUILDINGS, LONG ISLAND.				
Total payments, \$118,055.14.				
<i>Balance of payments.</i>				
Contractors:				
John J. Flynn,		\$21,003 63		
Heating and ventilating extension, Ingalls & Kendricken,		6,682 38		
<i>Carried forward,</i>			\$27,686 01	\$6,975,865 07

INSTITUTIONS DEPARTMENT.

65

<i>Brought forward,</i>	\$27,686 01	\$6,975,865 07
Electric wiring, Hawks Electric Construction Co.,	1,551 82	
Stone & Webster, experts on electric installation,	380 00	
F. Tudor, expert on heating and ventilating,	281 03	
	<hr/>	
	\$29,898 86	

NEW LUNATIC HOSPITAL.

Continuation of payments.

Contractors: Relaying floors, Geo. W. Morrison,	\$7,998 21	
Heating, ventilating, and power plant, Pierce Farm, Ingalls & Kendricksen,	2,451 66	
Heating and ventilating, Austin Farm, Lynch & Woodward,	1,046 99	
Fuel,	2,477 10	
Electric wiring, General Electric Co.,	2,434 54	
Kitchen outfit, Walker & Pratt M'fg Co.,	1,700 00	
Stone & Webster, experts on Electric Installation,	599 59	
Superintendent of construction,	312 00	
Scales,	210 00	
Carpentry,	158 66	
Masonry,	151 35	
Elevator,	150 00	
Sewage disposal system,	116 10	
Labor,	107 50	
Lumber,	105 68	
Iron-work,	26 25	
Roofing,	18 03	
Printing and small items,	6 63	
	<hr/>	
	\$20,070 29	

NEW LUNATIC HOSPITAL, FURNISHING.

Furniture,	\$8,154 86	
Five horses, cart, etc.,	990 75	
Oil and supplies,	310 10	
Plumbing,	225 00	
Electric wiring,	192 31	
Wire fence,	48 80	
Transportation,	30 00	
Lumber,	22 50	
Stationery,	21 00	
	<hr/>	
	\$9,995 32	

PARENTAL SCHOOL FOR BOYS.

Balance of payments.

Contractors, W. L. Clark & Co.,	\$527 20	
Sewage disposal system, Fallon & Cronin,	2,616 86	
Fuel,	381 06	
Printing,	61	
	<hr/>	
	\$3,475 73	

PARENTAL SCHOOL FOR BOYS, FURNISHING.

Furniture,	\$2,419 57	
Horses, carriage, wagon, cart, harness, etc.,	819 43	

Carried forward,

\$3,239 00	\$6,975,865 07
------------	----------------

<i>Brought forward,</i>	\$3,239 00	\$6,975,865 07
Printing,	77 75	
Cleaning, etc.,	66 92	
Plumbing,	59 80	
Painting,	42 54	
Stationery,	18 50	

83,504 51
PARENTAL SCHOOL FOR BOYS, ALTERATIONS.

Masonry,	\$469 95
Grading,	362 22
Carpentry,	329 75
Painting,	184 53
Paper-hanging,	86 54
Engineering,	62 50

\$1,495 49
PARENTAL SCHOOL, NEW BUILDINGS AND FURNISHING.

Architects, Stickney & Austin,	\$250 00
--------------------------------	----------

RECAPITULATION.

Institutions Department,	\$691,672 96
<i>\$47.83 of this amount drawn for but not paid.</i>	
Chapel and Administration Building, Long Island,	19,463 15
House of Industry, Alterations and Additions,	3,773 37
New Buildings, Long Island,	29,898 86
New Lunatic Hospital,	20,070 29
<i>\$209.13 of this amount drawn for but not paid.</i>	
New Lunatic Hospital, Furnishing,	9,995 32
Parental School for Boys,	3,475 73
Parental School for Boys, Furnishing,	3,504 51
Parental School for Boys, Alterations,	1,495 49
Parental School, New Buildings and furnishing,	250 00

783,599 68
Lamp Department.**Salaries:**

Patrick O'Shea, Superintendent,	
to May 1, 1895,	\$1,166 68
James Buckner from May 1, 1895,	2,333 32
Clerk-hire,	2,700 00
	<hr/>
	\$6,200 00

Electric Lighting:

Boston Electric Light Co.,	\$261,263 64
Charlestown Gas and Electric Co.,	21,775 98
Brookline Gas Light Co.,	19,195 08
	<hr/>
	302,234 70

Gas for street lamps, viz.:

Brookline Gas Light Co.,	\$32,817 18
Dorchester do.,	23,762 24
Jamaica Plain do.,	23,079 27
Charlestown Gas and Electric Co.,	9,888 64
East Boston Gas Co.,	9,032 68
Boston Gas Light Co.,	8,962 58
South Boston Gas Light Co.,	7,460 70
Roxbury do.,	2,323 05
	<hr/>
	117,326 34

Rising Sun Street Lighting Co., furnishing	
and care of naphtha lamps,	55,682 07
Lamplighters, for lighting and cleaning lamps,	77,617 00
Electric-light construction,	7,309 04

Carried forward,

\$566,369 15 \$7,759,464 75

<i>Brought forward,</i>		\$566,869 15	\$7,759,464 75
Underground service-pipes, which are laid by the gas companies,		3,497 35	
Repairs:			
Labor,	\$7,099 97		
Materials,	122 80		
Fuel,	67 88		
Water-rates,	23 75		
Gas,	6 17		
		7,320 07	
Horses:			
Exchange of,	\$60 00		
Feed and board,	986 81		
Exchange of buggy and repairs of vehicles,	447 80		
Shoeing,	408 20		
Repairs of harnesses,	45 00		
		1,947 81	
Wrought-iron work,		458 51	
Telephone service,		314 80	
Stationery,		229 66	
Street signs and numbers,		206 75	
Printing,		165 98	
Burners, fixtures, etc.,		102 03	
Ladders, torches, and tools,		84 49	
Repair-shop,		72 96	
Car-fares and tolls,		65 00	
Plans,		63 00	
Messenger service,		21 10	
Amount drawn to pay expenses of investigating Municipal lighting,		1,500 00	
			582,418 66

Law Department.

Salaries:			
Andrew J. Bailey, City Solicitor to Jan. 7, 1895, Corporation Counsel since,	\$7,490 27		
Thos. M. Babson, Corporation Counsel, to Jan. 7, 1895, City Solicitor since,	7,491 67		
Frederick E. Hurd, Asst. City Solicitor,	4,184 00		
Samuel H. Hudson, Asst. City Solicitor,	3,457 00		
S. M. Child, Asst. City Solicitor, from Sept. 19, 1895,	702 72		
Charles F. Day, Conveyancer,	3,500 00		
Roscoe P. Owen, Conveyancer,	3,500 00		
Fisher Ames, Clerk,	2,000 00		
		\$32,325 66	
Messenger service,		1,218 00	
Stationery and books,		812 20	
Printing,		449 20	
Expenses in matters before the Legislature,		425 00	
Telephone service,		206 95	
Stenographic and clerical work,		93 00	
Furniture,		30 95	
Travelling expenses,		8 00	
			35,568 96
<i>Carried forward,</i>			\$8,377,452 37

Brought forward,

\$8,377,452 37

***Laying Out and Construction of
Highways.***

BOARD OF SURVEY, TO JULY 1, 1895.

Hugh O'Brien, Chair-
man,

\$2,250 00

Charles Morton,

2,000 00

Hugh E. Brady,

2,000 00

J. H. Jenkins, Clerk,

1,250 00

Employés,

21,842 86

\$29,342 86

Printing,

739 11

Travelling expenses,

247 15

Instruments, tools, and supplies,

181 03

Stationery and drawing materials,

156 52

Telephone service,

77 70

Advertising,

74 10

Stone posts and setting,

43 60

Office expenses,

22 57

\$30,884 64

Street Commissioners :

Employés,

\$20,479 75

Stationery,

1,165 38

Instruments, tools, and supplies,

619 29

Printing,

511 35

Travelling expenses,

358 54

Office expenses,

202 50

Telephone service,

80 30

Advertising,

55 60

Stone posts and setting,

18 95

23,491 66

Land damages :

Brighton avenue,

\$15,185 00

Turner street,

6,000 00

Harvard avenue,

3,143 00

24,328 00

Land damages for sewers,

962 10

Sewer Construction :

Employés,

\$229,400 96

Materials :

Brick,

\$24,979 70

Drain-pipe,

27,322 50

Sand and cement,

16,434 68

Lumber,

10,137 77

Covers and iron
work,

4,407 54

Filling,

6,311 08

Cesspool curbs,

1,048 24

90,636 51Contractors for constructing
sewers :Boylston street, Rox-
bury,

\$12,070 99

Weld street, between
Maple street and

Willow street,

4,944 33

Brighton avenue,

4,538 47

Maple street, West
Roxbury,

3,392 87

Lauriat avenue,

3,053 42

Harvard avenue,

2,735 31

Carried forw'd, \$30,735 39 \$320,037 47 \$79,666 40 \$8,377,452 37

<i>Brought forward,</i>	\$30,735 39	\$320,037 47	\$79,666 40	\$8,377,452 37
Jamaica Way, between Pond st. and Perkins st.,	2,389 63			
St. Alphonsus street,	2,104 10			
Bay State road,	1,935 96			
Willow street,	1,760 89			
Tremont street, Brighton,	1,641 78			
Elmira street,	1,407 90			
Josephine street,	1,187 48			
Abbotsford street,	950 67			
Parker street,	641 98			
Geneva avenue,	629 60			
Greenbrier street,	560 25			
Armandine st., Rockwell st. and private land,	441 10			
Milton st., between Granite ave. and Granville street,	395 17			
Oak square and Tremont street,	346 29			
Bigelow street,	279 61			
Granby street,	270 93			
Sherborn street,	258 19			
Kenmore street,	199 33			
Pond street,	133 79			
Ivy street,	98 40			
Centre st., between Corey street and Maple street,	91 73			
Washington st., between Ashmont st. and Dorchester av.,	84 41			
Centre st., between May st. and Lowder's lane,	78 49			
Washington st., between Norfolk ave. and Metropolitan avenue,	70 41			
Bellevue st., between March ave. and Maxfield street,	64 18			
Mountfort street,	42 01			
Norway street,	41 75			
Pond st., Avon st. to Brookline line,	34 39			
Arundel street,	18 76			
Stockton st., through private land,	5 32			
		48,894 89		
Teaming,		13,377 02		
Tools, hardware, and supplies,		7,579 77		
Hire of machinery and tools,		7,493 21		
Repairing streets,		1,679 72		
Fuel,		1,601 35		
Work on assessments,		899 49		
Car-fares,		774 06		
Advertising,		562 50		
Rubber clothing,		379 37		
<i>Carried forward,</i>		\$403,278 85	\$79,666 40	\$8,377,452 37

<i>Brought forward,</i>	\$403,278 85	\$79,666 40	\$8,377,452 37
Oils,	275 11		
Pile driving,	263 40		
Repairs on water-service pipes,	224 07		
Damages,	55 00		
Printing and stationery,	38 97		
Telephone service,	27 38		
	<hr/>	404,162 78	
Street Construction :			
Employés,	\$12,948 33		
Contractors for constructing and regulating :			
Parker st., Hunting- ton ave. to West- land avenue,	\$8,150 71		
Newbury street,	602 65		
Boylston st., Brook- line avenue to Boylston road,	38,999 56		
Ivy st., St. Mary's st. to Mountfort st.,	1,329 20		
Mountfort st., Audu- bon road to Ivy st.,	127 50		
Arundel st., Beacon st. to Mountfort st.,	92 17		
St. Germain st., Mass- achusetts ave. to Dalton street,	3,290 64		
Norway st., Mass- achusetts avenue to Falmouth street,	2,904 41		
Brighton avenue,	2,467 63		
Harvard ave., from Commonwealth av. to Brookline,	3,147 44		
Sherborn st., from Commonwealth av. to Charles river,	4,318 50		
Kenmore st., from Commonwealth av. to Newbury street,	925 52		
	<hr/>	66,355 93	
Edgestones,	2,950 92		
Teaming,	2,272 50		
Advertising,	499 18		
Engineering expenses,	168 49		
Paving blocks,	120 00		
Printing,	97 58		
Tools,	16 47		
Lumber,	12 86		
Fuel,	11 55		
	<hr/>	85,453 81	
Interest on Debt,		70,108 00	
		<hr/>	639,390 99
<i>\$328 of this amount drawn for but not paid.</i>			
Blue Hill and other avenues :			
(Chap. 334 Acts of 1895.)			
Blue Hill avenue :			
Land damages,	\$41,778 00		
Sewer Construction :			
Employés,	\$9,948 00		
	<hr/>		
<i>Carried forward,</i>	\$9,948 00	\$41,778 00	\$9,016 843 36

<i>Brought forward,</i>	\$9,948 00	\$41,778 00		\$9,016,843 36
Contractors for constructing sewers,	20,986 97			
Drain-pipe	9,815 29			
Cement,	2,117 10			
Brick,	1,428 00			
Covers and iron-work,	1,264 22			
Advertising,	323 05			
Lumber,	293 61			
Cesspool curbs and stone,	218 84			
Removing old building,	100 00			
Travelling expenses,	94 89			
Tools and supplies,	90 96			
Printing,	20 33			
Fuel,	11 04			
Teaming,	10 00			
		46,722 30		
Street Construction :				
Employés,	\$4,418 48			
Contractors, grading, etc.,	14,841 35			
Advertising,	340 78			
Engineering expenses,	292 72			
Rent,	48 00			
Printing,	44 26			
Tools and supplies,	9 36			
		19,994 95		
			\$108,495 25	
Columbus Avenue :				
Land damages,		\$377,121 84		
Sewer construction :				
Employés,	\$7,969 09			
Contractors for constructing sewers,	15,580 22			
Drain-pipe,	5,257 98			
Brick,	2,214 25			
Covers and iron-work,	1,278 34			
Cement,	739 25			
Cesspool curbs,	602 10			
Advertising,	122 00			
Travelling expenses,	94 89			
Tools and supplies,	49 11			
Teaming,	35 00			
Printing,	20 31			
		33,962 54		
Street construction :				
Employés,	\$1,328 53			
Filling,	3,033 30			
Teaming,	108 00			
		4,469 83		
			415,554 21	
Commonwealth avenue :				
Land damages,		\$18,828 00		
Sewer Construction :				
Employés,	\$4,825 10			
Contractors for constructing sewers,	10,930 08			
Drain-pipe,	2,878 05			
Cement,	789 99			
Covers and iron-work,	312 23			
Advertising,	250 01			
Travelling expenses,	94 86			
<i>Carried forw'd,</i>	\$20,080 32	\$18,828 00	\$524,049 46	\$9,016,843 36

CITY PAYMENTS.

<i>Brought forw'd,</i>	\$20,080 32	\$18,828 00	\$524,049 46	\$9,016,848 86
Cesspool curbs,	92 64			
Tools and supplies,	34 02			
Teaming,	30 00			
Printing,	20 33			
		20,257 31		
Street Construction :				
Employés,	1,848 13			
Contractors, grading, etc.,	13,823 94			
Advertising,	215 98			
Printing,	32 14			
		15,920 19		
			55,005 50	
Huntington avenue :				
Land damages,		\$163,430 00		
Sewer Construction :				
Employés,	\$9,311 50			
Contractors, con- structing sewers,	26,546 04			
Drain-pipe,	5,013 55			
Brick,	3,668 14			
Cement,	2,538 06			
Covers and iron-work,	2,065 56			
Cesspool curbs,	909 57			
Advertising,	250 45			
Tools and supplies,	105 25			
Teaming,	105 00			
Travelling expenses,	94 86			
Printing,	20 31			
		50,628 29		
Street Construction :				
Employés,	\$10,330 18			
Contractors, grading, etc.,	8,091 57			
Filling,	2,817 10			
Teaming,	1,647 50			
Stone,	1,124 08			
Sand,	795 60			
Edgestone,	151,09			
		24,957 12		
			239,015 41	
			\$818,070 37	
Interest on debt,			20,000 00	
				838,070 37
<i>Library Department.</i>				
Salaries to January 23, 1896, inclusive :				
Herbert Putnam, Librarian, from February 11, 1895,	\$5,316 45			
Employés, Central Library,	76,838 96			
South Boston,	3,249 45			
Roxbury,	3,161 55			
East Boston,	2,814 68			
Dorchester,	2,899 21			
Charlestown,	2,397 53			
West Roxbury,	2,400 57			
Brighton,	2,290 00			
South End,	2,239 26			
North and West Ends,	1,188 15			
			104,795 81	
Books, periodicals, newspapers, and maps,			29,496 60	
<i>Carried forward,</i>				\$9,854,913 78

<i>Brought forward,</i>	\$134,292 41	\$9,854,913 73
Book-binding:		
Binders — employés in Library bindery,	\$10,639 65	
Other parties,	1,632 26	
Materials,	2,660 21	
	<hr/>	
	14,932 12	
Furniture,	9,453 44	
Rents and service,	8,553 19	
Fuel,	6,136 87	
Cleaning and small supplies,	6,087 22	
Printing,	5,298 29	
Electric light and power,	4,429 02	
Stationery,	3,696 87	
Cartage, freights, and car-fares,	3,473 85	
Repairs,	3,120 09	
Gas,	1,782 21	
Water-rates and ice,	662 50	
Telephone service,	482 61	
Postage and telegrams,	301 94	
Insurance on builers,	138 00	
On account of moving to new building,	7,765 74	
	<hr/>	
	\$210,556 37	

BRANCH LIBRARY, WEST END.

Employés,	\$266 11
Cleaning, etc.,	34 15
Stationery,	26 85
	<hr/>
	\$327 11

RECAPITULATION.

Library Department,	\$210,556 37	
<i>\$37.50 of this amount drawn for but not paid.</i>		
Branch Library, West End,	327 11	
	<hr/>	
		210,883 48

Library Trust Fund.

Investment in City of Boston bond of portion of bequest of Daniel Treadwell,	500 00
--	--------

Liquor License Revenue.

Paid State of Massachusetts, being one-quarter of receipts for licenses,	\$299,085 00	
Refunded,	300 00	
	<hr/>	
		299,385 00

Market Department.

Payments on account of Faneuil Hall Market and the Market in Faneuil Hall building, exclusive of those for the repairs on the buildings which are charged to Public Buildings.

Salaries:

Geo. E. McKay, Superintendent,	\$3,000 00	
Deputy Superintendent and Weigher,	1,900 00	
Watchmen,	2,891 11	
Messenger,	900 00	
	<hr/>	
	\$8,691 11	
Electric lighting,	505 55	
Furniture and small supplies,	500 96	
Gas,	174 33	
Telephone service,	144 80	
Printing,	9 20	
	<hr/>	

Carried forward,

\$10,025 95 \$10,365,682 21

<i>Brought forward,</i>	\$10,025 95	\$10,365,682 21
Fuel.	32 08	
Water-rates,	7 50	
Stationery,	18 00	
	<hr/>	10,078 53

Mayor.

Salaries :			
Mayor, Edwin Upton Curtis,	\$10,000 00		
Secretary, Courtenay Guild,	3,548 61		
Assistant Secretary and Stenographer, James A. McKibben,	2,027 78		
Assistant Secretary, Wadsworth Baylor,	1,827 78		
Messenger,	709 72		
	<hr/>	\$18,113 89	
Stationery, books, papers, and small items,		1,118 50	
Stenographic and clerical work,		149 19	
Printing.		646 72	
Telephone and messenger service,		342 43	
Portrait of Mayor Curtis and frame,		150 00	
		<hr/>	\$20,520 73
Contingent expenses :			
Incidental expenses, carriage-hire, etc.,		1,032 40	
Entertainment of guests, including Knights Templars,		8,814 86	
		<hr/>	30,367 99

Mount Hope Cemetery Department.

Salaries :			
James H. Morton, Superintendent,	\$2,000 00		
Secretary to Board of Trustees,	400 00		
Employés,	23,368 75		
	<hr/>	\$25,768 75	
Repairs,		1,962 77	
Stable :			
Hay, grain, and straw,	\$993 43		
Wagon and repairs of vehicles,	392 30		
Harness and repairs,	249 10		
Two horses,	243 00		
Shoeing,	22 50		
	<hr/>	1,900 33	
Stone posts and covers,		650 50	
Tools, hardware, etc.,		646 01	
Manure,		517 25	
Seeds and plants,		426 88	
Telephone service,		877 91	
Fuel,		371 14	
Printing,		277 35	
Stationery,		258 73	
Flower-pots,		202 00	
Water-rates,		143 00	
Furniture,		70 94	
Auditing books,		35 00	
Car-fares,		20 25	
Carriage-hire for Board of Trustees,		18 00	
Cartage,		14 70	
		<hr/>	33,661 51

Mt. Hope Cemetery Trust Fund.

Investment in City of Boston bonds, of receipts for perpetual care of lots,		4,500 00
		<hr/>
<i>Carried forward,</i>		\$10,444,990 24

Brought forward,

\$10,444,290 24

Old Claims.

For sundry bills which have been audited and allowed in former years, but were not paid until the present financial year,

3,042 72

Overseeing of the Poor Department.

Payments for general expenses of the Overseers of the Poor, and for the maintenance of the Temporary Home for the Destitute, Chardon street, and the Lodge for Wayfarers, which are under the charge of the said Board.

General expenses :

Salaries :

F. W. Lincoln, treasurer,	\$1,000 00
Benjamin Pettee, secretary,	3,041 67
Clerk-hire,	4,960 00
Visitors and agents,	11,950 00
Physicians,	1,700 00
Employés,	5,311 52

\$27,963 19

Treasurer of the Board, upon requisitions drawn by the Board of Overseers of the Poor,	24,000 00
Subsistence supplies,	31,599 87
For relief furnished by other cities and towns,	10,500 84
Fuel,	9,684 47
Burial expenses,	2,915 90
Expressage,	1,399 00
Soap,	891 80
Medical expenses,	817 68
Furnishings,	668 99
Stationery,	384 21
Travelling expenses,	359 36
Repairs,	195 21
Cleaning,	178 00
Telephone service,	169 41
Rent,	150 00
Printing,	127 56
Gas,	83 07
Expert examination of accounts,	75 00
Water-rates,	57 40

\$112,216 86

Temporary Home :

Salaries of matron and assistants,	\$1,821 16
Subsistence supplies,	2,012 38
Medical expenses,	522 45
Furniture,	398 30
Water-rates,	234 50
Fuel,	193 00
Gas,	130 68
Clothing and bedding,	70 00
Repairs,	41 10
Soap,	82 62
Stationery,	25 12
Telephone service,	15 00
Travelling expenses,	13 64
Printing,	4 10

5,514 05

Lodge for Wayfarers :

Salaries of superintendent and assistants,	\$3,420 84
Subsistence supplies,	3,001 64

Carried forward,

\$6,422 48

\$117,730 91

\$10,447,332 96

CITY PAYMENTS.

<i>Brought forward,</i>	\$6,422 48	\$117,730 91	\$10,447,332 96
Fuel,	462 01		
Gas,	362 31		
Water-rates,	298 80		
Furnishings,	168 06		
Ice,	71 40		
Soap,	66 26		
Printing,	64 84		
Medical expenses,	39 80		
Stationery,	31 65		
	<hr/>	7,987 61	
		<hr/>	125,718 52

Park Department.

Payments of expenses incurred by the Park Commissioners appointed under an Act of the Legislature, approved May 6, 1875, and accepted by the people June 9, 1875.

Clerk and secretary, G. F. Clarke,	\$3,000 00	
Clerk-hire,	2,380 30	
	<hr/>	\$5,380 30
Printing,		1,193 96
Messenger service,		192 90
Stationery,		175 16
Telephone service,		156 15
Travelling expenses,		117 30
Office expenses,		101 99
Plans,		45 26
Electric lighting,		8 10
Visit of City Council to parks, Oct. 15, 1895,		196 50
		<hr/>
		\$7,567 62

MAINTENANCE.**Franklin Park:**

Labor,	\$13,320 89	
Teaming,	5,144 13	
Police,	3,957 51	
Repairs,	1,082 40	
Bicycle, tools, and hardware,	723 64	
Furnishings,	476 14	
Water-rates,	420 40	
Food for animals, horse-keeping, etc.,	395 63	
Gas,	131 85	
Uniform-cloth, badges, clubs, etc.,	96 66	
Fuel,	41 30	
Telephone service,	33 75	
Car-fares,	16 37	
Stationery,	5 80	
	<hr/>	25,846 47

Parkway:

Labor,	\$22,245 42	
Teaming,	10,673 61	
Police,	5,463 91	
Repairs,	4,593 99	
Purchasing agent,	600 00	
Tools, hardware, etc.,	493 96	
Fuel,	288 17	
Grain,	152 58	
Furnishings, etc.,	111 44	
Water-rates,	53 80	
Stationery and printing,	52 05	
Car-fares and small items,	38 46	
Gas,	8 68	
	<hr/>	

<i>Carried forward,</i>	\$44,776 07	\$33,414 09	\$10,573,051 48
-------------------------	-------------	-------------	-----------------

<i>Brought forward,</i>	\$44,776 07	\$38,414 09	\$10,573,051 48
Less transferred to Public Parks on account of construction,	10,411 76		
		34,864 31	
Charlestown :			
Labor,	\$9,149 63		
Police,	1,197 76		
Water-rates,	1,061 60		
Furnishings, etc.,	676 59		
Gas,	432 38		
Tools and hardware,	384 08		
Repairs,	273 73		
Fuel,	96 33		
Teaming,	46 29		
Stationery and printing,	22 40		
Electric lighting,	13 26		
		13,304 05	
Commonwealth Avenue :			
Labor,	\$6,599 16		
Teaming,	4,411 77		
Police,	1,115 20		
Screenings,	972 71		
Tools, etc.,	156 42		
		13,255 26	
Marine Park :			
Labor,	\$3,266 15		
Police,	2,778 25		
Teaming,	458 50		
Repairs,	451 28		
Water-rates,	144 00		
Tools and hardware,	118 43		
Gas,	112 39		
Furnishings, etc.,	92 09		
Fuel,	58 11		
		7,479 20	
Bussey Park and Arnold Arboretum :			
Labor,	\$2,179 96		
Teaming,	1,586 14		
Police,	1,211 25		
Repairs,	283 28		
Tools, etc.,	42 90		
		5,303 53	
Wood Island Park :			
Labor,	\$2,681 14		
Police,	509 13		
Fuel,	202 00		
Water-rates,	201 70		
Teaming,	132 88		
Electric lighting,	99 01		
Repairs, tools, etc.,	82 64		
		3,908 50	
Charlestown Parks :			
Labor,	\$1,467 31		
Police,	497 00		
Water-rates,	91 00		
Electric lighting,	63 76		
Tools and hardware,	63 14		
Teaming,	35 33		
Furnishings, etc.,	32 99		
Fuel,	28 50		
		2,279 03	
<i>Carried forward,</i>		\$113,807 97	\$10,573,051 48

<i>Brought forward,</i>		\$113,307 97	\$10,573,051 48
Franklin Field:			
Teaming,	\$499 52		
Police,	455 56		
Labor,	318 88		
Tools, etc.,	5 00		
	<hr/>	1,278 96	
Dorchester Park:			
Police,	\$74 00		
Signs,	15 00		
Labor,	8 86		
	<hr/>	92 86	
Wards 6 and 7:			
Police,		76 54	
		<hr/>	
		\$114,756 33	
		<hr/>	
PUBLIC PARKS.			
Lands:			
Payments for land,	\$343,157 41		
Expert services in defence of suits,	2,825 00		
Surveys,	100 00		
Carriage-hire,	20 00		
Copies,	14 80		
	<hr/>	\$346,117 21	
PARKWAY:			
Labor,	\$27,213 57		
REFECTORY BUILDING, PINE BANK:			
Contractor, John Mc-Namara,	\$16,311 71		
Heating and ventilating, Lynch & Woodward,	1,000 00		
Electrical-work, John S. Potter,	187 50		
Architects, Wheelwright & Haven,	365 30		
	<hr/>	17,864 51	
Retaining-walls,	7,490 89		
Stone,	5,237 86		
Teaming,	5,067 35		
Grading,	4,244 16		
Olmsted, Olmsted, & Eliot, services as landscape gardeners,	3,150 00		
Loam,	2,273 22		
Tools, hardware, and general supplies,	2,265 97		
Iron fence, Jamaica Pond,	1,162 38		
W. L. Fischer, assistant landscape gardener,	1,000 00		
Paving blocks,	914 51		
Engineering and inspection,	902 26		
Installing electric lights,	780 93		
Clerk-hire,	757 50		
Lumber,	562 20		
City Architect's assistants,	554 67		
Exchange of buggy and horse-keeping,	551 80		
Settees,	373 00		
Engineering expenses,	275 12		
Paving,	255 01		
	<hr/>		
<i>Carried forward,</i>	\$82,898 91	\$346,117 21	\$10,573,051 48

PARK DEPARTMENT.

79

<i>Brought forward,</i>	\$82,898 91	\$346,117 21	\$10,573,051 48
Telephone service,	162 00		
Printing,	126 92		
Drain-pipe,	125 60		
Manure,	112 44		
Purchasing agent,	100 00		
Architects, Leverett Pond Bridge, Shepley, Rutan, & Coolidge,	98 13		
Fuel,	85 62		
Seeds and plants,	83 99		
Advertising,	52 25		
Brick,	45 25		
Stationery,	33 20		
Cement and lime,	20 05		
Grates and covers,	16 01		
Gas,	1 05		
	<hr/>		
	\$83,956 42		
Transferred from Park Depart- ment,	10,411 76		
	<hr/>	94,368 18	
FRANKLIN PARK :			
Labor,	\$70,038 14		
Refectory building:			
John J. Flynn,	\$30,491 25		
Terra-cotta, New Jersey Terra Cotta Co.,	7,500 00		
Heating apparatus, Walker & Pratt Mfg. Co.,	1,100 00		
Electric wiring, etc., J. F. Bubert,	500 00		
	<hr/>		
	39,591 25		
Teaming,	16,908 09		
Forest Hills Entrance Bridge, Charles H. Dodge,	9,456 85		
Tools, hardware, and general supplies,	6,542 93		
Cement,	3,092 25		
Paving blocks,	1,550 50		
Lumber,	1,299 06		
Horse, harnesses, and keeping,	1,219 43		
Fuel,	1,179 29		
Shelter, balance,	1,164 46		
Purchasing agent,	1,100 00		
Clerk-hire,	1,010 00		
W. L. Fischer, assistant land- scape gardener,	1,000 00		
Brick,	930 25		
Manure and fertilizers,	908 00		
Architects, Entrance and Scar- boro' Bridges, Shepley, Rutan, & Coolidge,	905 32		
Engineering and inspection,	858 13		
Masonry,	802 20		
Furniture,	494 50		
Stone,	460 00		
Paving,	323 50		
Telephone service,	259 22		
Drain-pipe,	254 12		
Grates and covers,	251 64		
	<hr/>		
<i>Carried forward,</i>	\$161,599 13	\$440,485 39	\$10,573,051 48

CITY PAYMENTS.

<i>Brought forward,</i>	\$161,599 13	\$440,485 39	\$10,573,051 48
Bronze tablet, "Ralph Waldo Emerson,"	225 00		
Grass seed and plants,	201 03		
Stationery,	129 02		
Engineering expenses,	128 94		
Water-rates,	101 00		
Cochituate Water-Works,	94 37		
Printing,	56 36		
Gas,	55 35		
Advertising,	29 25		
Feed for animals,	19 34		
	<hr/>	162,638 79	
MARINE PARK:			
Labor,	\$3,875 39		
Head House:			
Gerry & Northup,	\$53,700 00		
Heating apparatus,			
Lynch & Woodward,	5,200 00		
Sgraffito-work, Max Bachmann,	3,300 00		
Tower clock, E. Howard Watch & Clock Co.,	922 00		
Electrical-work, Eugene McCarthy & Co.,	900 00		
Architect's Assistants,	875 36		
Laundry plant,	750 00		
Reënforcing floor of coal and boiler room,	635 00		
Elevator,	402 50		
Drawings of figures, etc.,	303 84		
	<hr/>	66,988 70	
Filling, William L. Miller,	49,788 87		
Dredging channel to Castle Island,	1,114 20		
Clerk-hire,	757 50		
Engineering,	390 08		
W. L. Fischer, assistant landscape gardener,	200 00		
Engineering expenses,	165 10		
Horse-keeping,	164 50		
Tools, hardware, and supplies,	125 46		
Lumber,	97 99		
Teaming,	94 51		
Printing,	30 78		
Grass seed,	17 34		
Fuel,	12 99		
	<hr/>	123,823 41	
CHARLESBANK:			
Labor,	\$932 11		
Men's Lavatory building:			
John McNamara,	\$11,578 34		
Heating apparatus,			
Lynch & Woodward,	776 00		
Electric-light fixtures,	119 80		
City Architect's assistants,	198 98		
	<hr/>	12,673 12	
<i>Carried forward,</i>	<hr/>	<hr/>	<hr/>
	\$13,605 23	\$726,947 59	\$10,573,051 48

PARK DEPARTMENT.

81

<i>Brought forward,</i>	\$13,605 23	\$726,947 59	\$10,573,051 48
Women's Athletic building:			
Frame & McPherson,	\$8,011 09		
Gas fixtures,	25 00		
Architects, Walker & Kimball,	203 48		
	<hr/>		
	8,239 57		
Damages to vessel,	972 51		
Lumber,	79 73		
Tools and supplies,	73 38		
Drain-pipe,	56 46		
Brick,	32 00		
Teaming,	24 00		
Fuel,	18 32		
Advertising,	18 00		
Printing,	7 91		
Engineering expenses,	2 70		
	<hr/>		
		23,129 81	
WOOD ISLAND PARK:			
Labor,	\$5,296 27		
Grading,	6,709 07		
Frames and fences for Athletic grounds,	2,923 25		
Athletic fixtures,	1,401 78		
Tools, hardware, and supplies,	599 78		
Lumber,	531 54		
Teaming,	501 75		
Architects, Field House, Sturgis & Cabot,	495 49		
Engineering,	296 66		
Clerk-hire,	252 50		
W. L. Fischer, assistant landscape gardener,	200 00		
Furniture,	186 45		
Installing electric lights,	182 00		
Planning construction and arrangement of apparatus for gymnasium,	150 00		
Electric fixtures,	125 00		
Engineering expenses,	91 22		
Horse-keeping,	88 00		
Fuel,	86 60		
Manure,	50 05		
Sand and cement,	28 10		
Grass seed,	19 40		
Brick,	9 50		
Stationery,	7 00		
	<hr/>		
		20,231 41	
BUSSEY PARK AND ARNOLD ARBORETUM:			
Labor,	\$3,171 72		
Teaming,	1,024 15		
Engineering,	544 06		
Clerk-hire,	252 50		
Cement,	96 12		
Tools and supplies,	61 40		
Printing,	2 00		
	<hr/>		
		5,151 95	
COMMONWEALTH AVENUE:			
Labor,	\$2,771 31		
Teaming,	696 68		
Stone,	453 38		
Paving,	300 30		
	<hr/>		
<i>Carried forward,</i>	\$4,221 67	\$775,460 76	\$10,573,051 48

<i>Brought forward,</i>	\$4,221 67	\$775,460 76	\$10,578,051 48
Manure,	76 72		
Engineering,	65 00		
Engineering expenses,	3 25		
	<hr/>	4,366 64	
CHARLESTOWN PARK :			
Labor,	\$1,084 49		
Tools and supplies,	206 79		
Gas-piping and fixtures in building,	153 92		
Copper flashing and asphalt-work,	140 00		
Plumbing,	93 17		
Furniture,	82 31		
Teaming,	62 00		
Engineering expenses,	45 62		
Sand and cement,	13 40		
Lumber,	10 15		
Clerk-hire,	7 00		
Stone,	5 00		
Advertising,	4 75		
Fuel,	2 29		
	<hr/>	1,910 89	
CHARLESTOWN PLAYGROUND :			
Labor,	\$1,259 15		
Tools,	2 67		
Teaming,	2 00		
	<hr/>	1,263 82	
FRANKLIN FIELD :			
Labor,	\$945 09		
Tools and supplies,	258 95		
Lumber,	256 50		
Teaming,	222 50		
Engineering,	37 44		
	<hr/>	1,720 48	
		<hr/>	
		\$784,722 59	
		<hr/>	
PUBLIC PARK, WARDS 6 AND 7 :			
Payment for land,	\$212,339 15		
Expert's services,	793 45		
	<hr/>	\$213,132 60	
Labor,	\$1,665 17		
Walls and grading, Trumbull & Ryan,	5,993 23		
Engineering,	287 53		
Advertising,	41 25		
Printing,	31 38		
Engineering expenses,	27 03		
Teaming,	3 89		
Fuel,	1 84		
	<hr/>	8,051 32	
		<hr/>	
		\$221,183 92	
		<hr/>	
PLAYSTEAD, NORTH BRIGHTON :			
Taxes on land purchased,		\$109 80	
		<hr/>	
RECAPITULATION.			
Park Department,		\$114,756 33	
Public Parks,		784,722 59	
\$590 85 of this amount drawn for but not paid.			
Public park, Wards 6 and 7,		221,183 92	
Playstead, North Brighton,		109 80	
		<hr/>	
		1,120,772 64	
		<hr/>	
<i>Carried forward,</i>		\$11,693,824 12	

Brought forward,

\$11,693,824 12

Pay-Roll Tailings.

Payments to employes not appearing for their money when due, or the money having been held by trustee process,

4,718 38

Phillips Street-Fund, Income.

John Boyle O'Reilly Statue :

Foundation, etc. :

Steps and seats,

\$1,629 00

Labor,

315 62

Architects, steps and seats, Walker & Kimball,

167 90

Paving, etc.,

140 25

Cement,

56 40

Teaming,

48 22

2,357 39***Police Department.***

Salaries :

Board of Police :

Augustus P. Martin

Chairman,

\$4,500 00

Robert F. Clark,

4,000 00

Albert T. Whiting to

May 5, 1895, in-

clusive,

1,388 89

Charles P. Curtis,

from May 6, 1895,

2,611 09

\$12,499 98

Thomas Ryan, Clerk,

2,500 00

Benj. P. Eldridge, Superintend-

ent,

3,500 00

Four Deputy Superintendents,

11,200 00

Captains,

34,054 80

Lieutenants,

50,350 25

Sergeants,

73,041 65

Day and night officers (\$1,000 to \$1,200 per annum),

871,861 83

Inspectors of Police,

25,205 39

Inspectors of Hacks, Wagons,

Intelligence Offices, Pawn-

brokers, and Claims, and As-

sistants, and property clerk,

7,675 87

Engineer and Firemen on Police

Steamers,

6,149 74

Officers at City Prison,

4,542 20

Stewards at various station-

houses,

11,174 82

Reserved force,

66,687 00

Pensioned officers,

73,293 32

Matrons,

5,238 85

Drivers,

1,643 92

Hostlers,

2,652 86

Clerk-hire,

924 00

Total for salaries,

\$1,264,201 48

Less amount deducted for cloth and helmets furnished officers by the Department,

16,594 43

\$1,247,607 05

Repairs of buildings,

21,810 48

Horses, etc. :

Board and feed,

\$4,996 83*Carried forward,*

\$4,996 83

\$1,269,417 48

\$11,700,894 89

<i>Brought forward,</i>	\$4,996 83	\$1,269,417 48	\$11,700,894 89
Two buggies, ambulance, four sleighs, and repairs of vehicles,	2,493 65		
Purchase and exchange of horses,	2,912 50		
Shoeing and veterinary services,	1,240 79		
Harnesses and repairs,	668 22		
Hire of horses,	588 60		
	<hr/>	12,900 59	
Furniture and furnishings,		11,560 11	
Clubs, belts, revolvers and helmets,		8,574 54	
Uniform-cloth,		8,051 61	
Medical attendance and medicines furnished sick and injured persons,		7,156 81	
Fuel,		6,972 47	
Gas,		5,603 51	
Telephone service,		4,695 93	
Printing,		4,018 81	
Rents,		3,943 76	
Washing and small supplies,		3,711 81	
Travelling and other expenses of officers,		3,573 11	
Stationery,		2,918 19	
Water-rates,		2,598 02	
Food for prisoners,		2,383 04	
Repairs of steamers "Protector," Patrol," and small boats,		1,868 05	
Travelling expenses of Board,		1,698 01	
Badges and buttons,		1,587 60	
Electric lighting,		1,409 14	
Carriage and wagon hire, used in conveyance of prisoners and injured persons,		1,310 78	
Services of detectives from other cities during Christian Endeavor Convention and Knights Templars' Conclave,		1,019 50	
A. E. Pillsbury, services preparing bill for further prevention of gaming and services before Committee on Judiciary, etc.,		650 00	
Medals,		490 00	
Photographs of criminals and suspicious persons,		458 95	
Expenses in defence of suits brought against police officers,		405 00	
Watering streets,		387 42	
Ice,		371 16	
Rent of gas regulators,		360 00	
Advertising,		213 95	
Refreshments for police officers,		153 35	
Allowance for clothing torn or destroyed,		145 69	
Entertainment of guests,		142 56	
Parade of Department Oct. 17, band,	\$93 00		
Use of chairs,	24 00		
	<hr/>	117 00	
Sewer assessment, Paris street,		25 76	
		<hr/>	
		\$1,370,893 21	
LIQUOR LICENSE EXPENSES.			
<i>Payments of salaries of clerks and officers and other expenses attendant on enforcing the license law of 1875, and subsequent amendments.</i>			
Police officers,	\$20,361 78		
Clerk-hire,	10,997 69		
	<hr/>		
<i>Carried forward,</i>	\$31,359 47	\$1,370,893 21	\$11,700,894 89

<i>Brought forward,</i>	\$31,359 47	\$1,370,893 21	\$11,700,894 89
Furniture, gas, fuel, and small supplies,	3,394 00		
Rent of office,	2,975 00		
Legal service and expenses,	2,500 00		
Police officers' expenses,	1,930 42		
Printing,	615 13		
Keeping horse, and repairs of vehicle and harness,	574 25		
Stationery,	487 12		
Telephone service,	92 55		
Teaming liquors,	58 00		
		43,985 94	
Police Signal System:			
Labor,	\$21,617 56		
Wire and cables,	18,097 38		
Repairs and alterations,	12,611 41		
Horses:			
Buggy, sleighs, wagons, and repairs of wagons,	\$4,432 57		
Feed and board,	4,064 54		
Purchase and exchange of,	2,679 21		
Shoeing and veterinary services,	1,603 00		
Horse-hire,	810 43		
Harnesses and repairs,	642 11		
Breaking horses, etc.,	300 00		
	14,531 86		
Signal boxes, tools, hardware, etc.,	5,587 72		
Chemical and electrical supplies,	3,462 39		
Rents,	3,144 20		
Telephone service,	2,039 52		
Car-fares,	1,393 26		
Washing and small supplies,	676 40		
Gas,	591 65		
Furniture and furnishings,	513 89		
Stationery,	476 78		
Fuel,	368 61		
Printing,	271 55		
Plans,	171 35		
Water-rates,	128 00		
Electric-lighting,	121 60		
Uniforms,	19 50		
Cartage,	4 50		
		85,829 13	
		<u>\$1,500,708 28</u>	

Police Charitable Fund, Income.

Payments to beneficiaries, \$9,820 00

RECAPITULATION.

Board of Police, \$1,500,708 28

\$11.50 of this amount drawn for but not paid.

Police Charitable Fund, Income, 9,820 00

1,510,528 28

Premium on Loans.

Amount paid Board of Commissioners of Sinking-Funds under orders of City Council,

436,212 50

Carried forward.

\$18,647,635 67

Brought forward,

\$13,647,635 67

Printing Department.*Payments for salary of Superintendent of Printing, office expenses, and for paper, printing, and stationery.**[Additional items for printing and stationery will be found charged under various heads.]*

Superintendent of Printing:

Thomas J. Lane,	\$2,991 56
Clerk-hire and messenger,	1,306 11
Stationery, printing, etc.,	194 38
Telephone service,	120 00

\$4,612 05

Printing City Documents, maps, notifications, and blanks of various kinds, stationery, and binding documents, for City Council and officers, not chargeable elsewhere.

City Council, and for office of Clerk of Common Council.

Printing,	\$16,300 93
Binding volumes of documents, etc.,	3,858 24
Stationery,	582 28

20,741 45

Postage stamps, for sale to departments,

5,900 00

Printing-stock,

4,784 90

Rockwell & Churchill, contractors for printing:

for storage, care, and accounting for stock,

900 00

Books, etc.,

655 20

Preparing edition of Revised Ordinances and changes to 1895,

800 00

Compiling Municipal Register of 1895,

200 00

38,093 60**Public Buildings Department.**

Fred B. Bogan, Superintendent,	\$3,600 00
Assistants to Superintendent,	4,958 00
Clerk-hire and messengers,	5,900 00
Draughtsmen,	3,749 60
Fuel-clerk,	1,250 00
Assistant at Faneuil Hall,	950 00

Janitors:

Old Court-House,	4,904 15
Probate Building,	2,024 38
Nos. 12 and 14 Beacon street,	1,947 00
No. 37 Pemberton square,	1,323 50
Old State House,	1,272 49
City Hall, Charlestown District,	1,200 00
Storehouse, Wareham street,	1,708 00
Town Hall, West Roxbury District,	935 00
No. 53 State street,	157 65
Milk Inspector's office,	318 99
Town Hall, Dorchester,	46 00

\$36,244 76

City Hall — Engineer and assistants,

\$3,234 66

Repairs and alterations,

11,400 58

Electric lighting,

9,817 55

Furniture and furnishings,

9,146 60

Fuel,

3,277 35

Gas,

986 94

Water-rates,

811 80

Ice,

436 80

Carried forward,

\$39,112 28

\$36,244 76 \$13,685,729 27

<i>Brought forward,</i>	\$39,112 28	\$36,244 76	\$13,685,729 27
Cleaning and supplies,	264 64		
Rent of gas machine and inspection,	69 66		
	<hr/>	39,446 58	
Repairs, renewals, and alterations of buildings:			
Old Court House,	\$12,108 20		
Fire Department buildings,	11,775 64		
Street Department, stables and sheds,	8,174 55		
Probate Building,	6,854 40		
Faneuil Hall Market,	3,254 77		
Charity Building,	2,983 86		
Nos. 12 and 14 Beacon street,	1,261 05		
Old State House,	699 51		
Morgue,	596 01		
Wayfarers' Lodge,	528 98		
Police station-houses,	448 72		
No. 94 Roxbury street,	219 39		
Curtis Hall, Jamaica Plain,	194 78		
Faneuil Hall,	152 67		
Scales,	144 85		
Small-pox Hospital,	113 73		
Old City Hall, Charlestown,	105 04		
Old Franklin School building,	89 03		
Lyceum Hall, East Boston, Clock tower,	87 50		
Storehouse, Wareham street,	57 18		
No. 37 Pemberton square,	34 56		
Milk Inspector's office,	3 50		
	<hr/>	49,887 92	
Rents:			
Nos. 12 and 14 Beacon street, for city offices,	\$12,931 20		
No. 37 Pemberton square, for use of Police Department,	5,175 80		
State-street Exchange,	3,412 50		
No. 994 Washington street, for Milk Inspector,	1,100 00		
Lock-up, Oakland street, Dorchester,	231 00		
Pound, East Boston,	37 00		
	<hr/>	22,887 50	
Furniture and furnishings:			
Court House,	\$4,764 50		
Storeroom,	3,397 00		
Probate Building,	2,796 85		
Nos. 12 and 14 Beacon street,	1,609 33		
Fire Department buildings,	451 75		
Old State House,	292 85		
Faneuil Hall,	128 45		
Charity Building,	87 56		
No. 37 Pemberton square,	29 85		
Milk Inspector's office,	23 34		
Curtis Hall,	22 50		
Foundry street,	16 50		
	<hr/>	13,570 48	
Cartage,		2,279 28	
Electric lighting:			
Old Court House,	\$1,053 20		
Nos. 12 and 14 Beacon street,	409 19		
	<hr/>		
<i>Carried forward,</i>	\$1,462 39	\$164,316 52	\$13,685,729 27

<i>Brought forward,</i>	\$1,462 39	\$164,816 52	\$13,685,729 27
Probate Building,	329 55		
Old Franklin School-house,	10 08		
	<hr/>	1,802 02	
Horse, buggies, and keeping,		1,417 06	
Fuel :			
No. 37 Pemberton square,	\$437 18		
Nos. 12 and 14 Beacon street,	365 55		
Old State House,	207 68		
Curtis Hall,	102 50		
Old Court House,	83 04		
Faneuil Hall,	53 62		
Storehouse,	22 00		
Probate Building,	21 94		
Charity Building,	9 37		
	<hr/>	1,302 88	
Gas :			
Old Court House,	\$462 67		
Nos. 12 and 14 Beacon street,	151 29		
Old State House,	78 30		
Old City Hall, Charlestown,	26 60		
Faneuil Hall,	105 39		
Curtis Hall,	61 42		
Milk Inspector's office,	48 16		
Probate Building,	26 21		
	<hr/>	960 04	
Water-rates		857 70	
Disinfectants,		590 25	
Printing,		574 54	
Stationery		468 40	
Travelling expenses,		394 75	
Telephone and messenger service,		360 67	
Ice,		312 75	
Rent, care, and maintenance of auxiliary fire- alarm system,		268 04	
Typewriting and small items,		141 03	
Advertising,		107 56	
		<hr/>	
		\$173,874 21	
Armories :			
To the several Militia Companies — not located in State armories — for rent of armories, \$10,349 75			
Allowance for rent of headquarters,	1,400 00		
	<hr/>	\$11,749 75	
Rent of rifle range,	3,992 00		
Allowance for light and fuel,	1,936 00		
Water-rates,	113 00		
Repairs and alterations, gun- racks, and furnishing :			
Naval Brigade,	\$541 30		
Company H, Fifth Regiment,	529 69		
Company L, Sixth Regiment,	500 00		
Company A, Fifth Regiment,	474 37		
Company A, First Batt., cavalry,	274 24		
Company D, Ninth Regiment,	245 73		
	<hr/>	2,565 33	
<i>Carried forward,</i>	\$20,356 08	\$173,874 21	\$13,685,729 27

<i>Brought forward,</i>	\$20,356 08	\$173,874 21	\$13,685,729 27
Advertising for land for rifle range,	27 23		
	<hr/>	20,383 31	
Election expenses:			
Rents,	\$2,153 00		
Repairs and fitting up precinct voting-places,	661 09		
Care of rooms,	375 50		
Furniture and cartage,	245 17		
Gas,	118 43		
Electric lighting,	43 03		
Water-rates,	10 00		
Posting lists, etc.,	3 50		
Stationery,	2 00		
Printing,	96		
	<hr/>	3,612 68	
		<hr/>	
		\$197,870 20	
		<hr/>	
DRAINAGE OF FANEUIL HALL AND QUINCY MARKET HOUSES.			
Labor,		\$1,725 46	
		<hr/>	
ENGINE-HOUSE NO. 4 ALTERATIONS.			
Carpentry,		\$1,347 93	
Painting,		650 00	
Lumber,		243 75	
Gas fixtures,		87 69	
Heating apparatus,		75 50	
Iron gates,		56 25	
Plumbing,		28 41	
Plastering,		7 62	
		<hr/>	
		\$2,497 15	
		<hr/>	
ENGINE-HOUSE NO. 6 ALTERATIONS.			
Painting,		\$915 25	
Carpentry,		669 30	
Ventilating,		609 67	
Heating apparatus,		250 89	
Whitening,		165 00	
Plumbing,		134 66	
Lumber,		125 07	
Roofing,		15 97	
Iron gratings,		12 00	
		<hr/>	
		\$2,897 81	
		<hr/>	
ENGINE-HOUSE NO. 8 ALTERATIONS.			
Carpentry,		\$504 52	
Plumbing,		424 00	
Painting,		379 50	
Lumber,		92 03	
Roofing,		44 10	
Gas-fitting,		34 64	
Shades,		21 00	
		<hr/>	
		\$1,499 79	
		<hr/>	
ENGINE-HOUSE NO. 10, REMODELLING.			
Contractor, Christopher F. Brown,		\$4,519 00	
Architect, Harrison H. Atwood,		225 95	
Carpentry,		101 41	
		<hr/>	
<i>Carried forward,</i>		\$4,846 36	\$13,685,729 27

<i>Brought forward,</i>		\$4,846 86	\$13,685,729 27
Painting,		71 72	
Gas fixtures,		41 07	
Advertising,		38 00	
		<u>\$4,997 15</u>	
ENGINE-HOUSE NO. 27. REMODELLING.			
Contractors, John S. Jacobs & Son,		\$4,947 00	
Advertising,		5 50	
		<u>\$4,952 50</u>	
FIRE DEPARTMENT BUILDINGS, SOUTH BOSTON,			
REPAIRS OF.			
Engine-house No. 1:			
Carpentry,	\$1,349 35		
Heating apparatus,	874 00		
Lumber,	807 12		
Painting,	582 98		
Plumbing,	454 45		
Masonry,	375 50		
Roofing,	182 74		
Gas fixtures,	113 25		
Stalls,	72 00		
		<u>\$4,811 39</u>	
COMBINATION WAGON-HOUSE No. 2:			
Plumbing,	\$706 84		
Carpentry,	521 25		
Painting,	314 77		
Ventilating,	264 00		
Lumber,	215 86		
Masonry,	201 44		
Stalls,	54 00		
Roofing,	20 15		
		<u>2,298 31</u>	
Ladder-house No. 5:			
Carpentry,	\$885 95		
Masonry,	426 95		
Lumber,	367 76		
Plumbing,	242 05		
Stalls,	108 00		
Roofing,	60 12		
		<u>2,090 83</u>	
Engine-house No. 2:			
Plumbing,	\$550 56		
Painting,	396 58		
Carpentry,	251 52		
Ventilating,	239 50		
Lumber,	125 67		
Stalls,	90 00		
Roofing,	63 60		
Masonry,	36 05		
		<u>1,758 48</u>	
Engine-house No. 15:			
Heating apparatus,		505 36	
Chemical House No. 8:			
Painting,	\$211 00		
Carpentry,	55 40		
Stalls,	54 00		
		<u>320 40</u>	
<i>Carried forward,</i>		\$11,779 77	\$13,685,729 27

<i>Brought forward,</i>		\$11,779 77	\$18,685,729 27
Engine-house No. 43:			
Stalls,	\$126 00		
Plumbing,	52 43		
Lumber and small items,	16 92		
		195 35	
Cartage,		22 00	
		<u>\$11,997 12</u>	

FIRE DEPARTMENT HEADQUARTERS, ETC.

Balance of payments.

Fire-alarm plant, Gamwell Fire-Alarm Telegraph Co.,	\$22,055 16
Installing Fire-Alarm apparatus, Holtzer-Cabot Electric Company,	6,300 00
Switch-board, W. F. Ross,	3,554 00
Steam plant, Ingalls & Kendricken,	190 00
Printing,	9 49
	<u>\$32,108 65</u>

LADDER HOUSE NO. 1.

*(Total cost, \$21,098 81.)**Balance of payments.*

Contractors, W. L. Clark & Co.,	\$511 00
Gas fixtures,	89 61
Repairing floor,	83 00
	<u>\$683 61</u>

LADDER HOUSE, WARD 19.

Payments on account.

Contractor, James Fagan,	\$7,500 00
Architect, Harrison H. Atwood,	686 75
Advertising,	58 51
	<u>\$8,245 26</u>

LIBRARY BUILDING, DARTMOUTH STREET.

*Continuation of payments on account of New Library**Building.*

Contractors:		
Carpentry, Ira G. Hersey,		\$29,857 98
Marble-work, Bowker, Torrey & Co.,		27,936 02
Iron-work:		
Snead & Co. Iron-Works,	\$17,331 35	
Post & McCord,	548 38	
		17,879 73
Mural paintings:		
Puvis de Chavannes,	\$15,496 87	
Edwin A. Abbey,	2,000 00	
		17,496 87
Electric-light plant, General		
Electric Company,		9,692 67
Electric-light fixtures, Archer & Pancoast Co.,		9,180 12
Masonry, Norcross Brothers,	\$8,171 96	
Woodbury & Leighton,	750 00	
		8,921 96
Plumbing, Isaac N. Tucker,		3,772 81
Dynamos, Siemens & Halske Electric Co.,		3,709 55

Carried forward,\$128,447 21 \$18,685,729 27

<i>Brought forward,</i>	\$128,447 21	\$13,685,729 27
Architects. McKim, Mead, & White,	1,779 75	
Steam fittings,	1,761 54	
Painting,	1,552 10	
Automatic temperature controlling apparatus, etc.,	1,350 00	
Pneumatic tube,	997 30	
Boiler-work, etc.,	727 15	
Galvanized iron and metal work,	463 57	
Elevators,	600 00	
Hardware,	556 68	
Heating apparatus,	532 06	
Plans, royalties, etc., electric-lighting plant,		
E. D. Leavitt,	527 25	
Plastering,	492 52	
Putting up pictures,	430 54	
Trees and work on grounds,	379 50	
Covering steam-pipes, etc.,	359 64	
Carving,	197 75	
Installing telephones,	197 12	
Tile arch-work,	141 76	
Pump,	125 00	
Lumber,	94 11	
Doors,	52 60	
Furniture and furnishings,	21,508 67	
	<hr/>	
	\$163,473 82	
	<hr/>	

LIBRARY BUILDING, DARTMOUTH STREET, FURNISHING.

Payments on account.

Furniture,	\$2,660 08
------------	------------

PUBLIC LIBRARY, WEST CHURCH, RE-MODELLING AND FURNISHING.

Payments on account.

Contractor, John J. Flynn,	\$12,640 00
Employes,	1,958 01
Heating and ventilating, A. A. Sanborn,	1,120 00
Furniture,	763 00
Architects, A. S. Jenney & T. A. Fox,	613 12
Plumbing,	400 00
Electric wiring,	250 00
Stationery,	100 55
Insurance,	56 26
Advertising,	54 50
Printing,	31 00
Labor,	30 00
Cartage,	2 00
	<hr/>
	\$18,018 44
	<hr/>

RECAPITULATION.

Public buildings,	\$197,870 20	
<i>\$61.65 of this amount drawn for, but not paid.</i>		
Drainage of Faneuil Hall and Quincy Market-houses,	1,725 46	
Engine-house No. 4, alterations,	2,497 15	
Engine-house No. 6, alterations,	2,897 81	
Engine-house No. 8, alterations,	1,499 79	
Engine-house No. 10, remodelling,	4,997 15	
Engine-house No. 27, remodelling,	4,952 50	
	<hr/>	
<i>Carried forward,</i>	\$216,440 06	\$13,685,729 27

<i>Brought forward,</i>	\$216,440 06	\$13,685,729 27
Fire Department Buildings, South Boston,		
repairs of,	11,997 12	
Fire Department, Headquarters, etc.,	32,108 65	
Ladder-house No. 1,	633 61	
Ladder-house, Ward 19,	8,245 26	
Library Building, Dartmouth street,	163,473 82	
<i>\$10 50 of this amount drawn for, but not paid.</i>		
Library Building, Dartmouth street, furnishing,	2,660 08	
Public Library, West Church, remodelling and furnishing,	18,018 44	
	<hr/>	453,577 04

Public Celebrations.

FOURTH OF JULY.

Payments for celebrating the One Hundred and Nineteenth Anniversary of the Independence of the United States, July 4, 1895.

Children's entertainments,		
Performers,	\$2,485 00	
Rent of halls,	545 00	
Attendants' expenses, furniture, and cartage,	700 00	
	<hr/>	\$3,730 00
Fireworks:		
Contractors,	\$1,614 00	
Use of chairs,	70 00	
	<hr/>	1,684 00
Rowing regatta on Charles river:		
Prizes,	\$925 00	
Judges' boats, buoys, chains, boats, and flags,	532 00	
Refreshments for judges' boat,	111 70	
Badges,	20 00	
	<hr/>	1,588 70
Music, day and evening:		
Bands,	\$1,020 00	
Putting up and taking down, lighting, and carting stands,	126 30	
	<hr/>	1,146 30
Sailing regatta:		
Prizes,	\$640 00	
Refreshments, etc.,	163 44	
Judges' boat,	85 00	
Expenses of Whitehall sailing race at North End,	80 00	
	<hr/>	968 44
East Boston Carnival,		8 0 00
Printing,		460 65
Veteran Firemen's Contest:		
Prizes,		375 00
Bicycle races:		
Prizes,	\$138 00	
Tents, carting, etc.,	107 00	
Refreshments,	32 00	
Badges,	32 00	
	<hr/>	309 00
Dorchester Carnival,		250 00
Ice-water distributors, stands, ice, etc.,		237 62
South Boston Athletics:		
Prizes,		125 00
	<hr/>	<hr/>
<i>Carried forward,</i>	\$11,674 71	\$14,139,306 31

<i>Brought forward,</i>		\$11,674 71	\$14,139,306 31
Hurling Match :			
Prizes,		75 00	
Oration :			
Decorations, etc.,		47 00	
Carriage-hire,		38 00	
Messenger service, and small items,		30 92	
East Boston Ferries, free use for the day,		25 00	
Postage,		20 00	
		<hr/>	
		\$11,910 63	
MAY 30, 1895.			
Grand Army of the Republic, for decorating graves, etc.,			
Allowed to Posts Nos. 2, 7, 11, 15, 21, 23, 26, 32, 68, 92, 113, 134, 149, 159, and 191. \$400 each; and Post 200, \$300.	\$6,300 00		
Kearsarge Association of Naval Veterans,	400 00		
Thomas Francis Meagher Command, U.V.U.,	800 00		
Gen. R. S. Mackenzie, Garrison No. 4, Regular A. & N.U. of the U.S.	300 00		
Tri-Mountain, Garrison No. 98, Regular A. & N.U. of the U.S.,	300 00		
Robert G. Shaw Veteran Association,	250 00		
Peter Salem, Garrison No. 70, Regular A. & N.U. of the U.S.,	250 00		
Gen. Joseph Hooker, Command No. 9, U.V.U.,	200 00		
Farragut Association of Naval Veterans,	200 00		
Vicksburg Command No. 15, U.V.U.,	100 00		
	<hr/>	8,600 00	
SEVENTEENTH OF JUNE, 1895.			
Expenditures incurred in celebrating the One Hundred and Twentieth Anniversary of the Battle of Bunker Hill :			
Allowance to organizations parading,	\$3,400 00		
Bands of Music, \$803 00			
Stands and cartage, 37 35			
	<hr/>	840 35	
Decorations,		300 00	
Fireworks,		240 00	
Refreshments and use of hall,		185 00	
Observation stand, \$90 00			
Use of chairs and care, 18 00			
	<hr/>	108 00	
Refreshments for Continental visitors,		100 00	
Base Ball Game :			
Prizes, \$57 50			
Balls, 2 50			
	<hr/>	60 00	
Two flags,		50 00	
Badges,		50 00	
	<hr/>		
<i>Carried forward,</i>	\$5,333 35	\$20,510 63	\$14,139,306 31

<i>Brought forward,</i>	\$5,333 35	\$20,510 63	\$14,139,306 31
Carriage-hire,	25 00		
Advertising	24 00		
		5,382 85	
LABOR'S HOLIDAY, September 2, 1895.			
Rowing regatta, Charles river:			
Prizes,	\$650 00		
Refreshments,	68 00		
Judges' boat,	50 00		
Attendants,	4 00		
	\$772 00		
Allowance for music for parade,	225 00		
		997 00	
			26,889 98

Public Grounds Department.**GENERAL EXPENSES.**

Salaries: William Doogue, Superintendent,	\$3,666 67		
Assistant Superintendent,	1 800 00		
Clerk-hire,	1,500 00		
		\$6,966 67	
Horse, wagon, feed, board, and shoeing horses, and repairs of vehicles and harnesses,		2,976 29	
Lawn-mowers, and repairs, tools and hardware,		2,211 27	
Clearing snow,		2,010 02	
Plank-walks, teaming and laying and repairing,		1,385 19	
Water-rates,		671 60	
Telephone service,		476 11	
Fuel and office expenses,		461 27	
Travelling expenses,		458 30	
Rent of playground, Brighton,		200 00	
Stationery,		150 93	
Teaming settees,		145 00	
Rent of land, E Cottage street,		150 00	
Commission on sale and exchange of land,		104 40	
Printing,		83 18	
Damages,		74 53	
		\$18,524 76	

Common:			
Laborers,	\$10,256 48		
Teaming,	2,171 85		
Sods and grass-seed,	2,090 32		
Gravel and sand,	781 86		
Manure and fertilizers,	360 93		
Repairs,	203 44		
Loam,	132 00		
		15,996 88	

Public Garden:			
Laborers,	\$11,324 14		
Sods,	3,496 77		
Teaming,	2,134 69		
Seeds, plants, and bulbs,	2,090 31		
Repairs,	1,054 47		
Gravel,	942 26		
Loam,	723 90		
Electric lighting,	523 95		
Vases,	200 07		
Manure,	70 00		
		22,560 56	

Carried forward,

\$57,082 20 \$14,166,196 29

<i>Brought forward,</i>		\$57,082 20	\$14,166,196 29
Greenhouses, storehouses and nursery :			
Laborers,	\$10,238 91		
Repairs, tools, etc.,	2,559 86		
Fuel,	1,063 45		
Plants, seeds, etc.,	880 24		
Loam and filling,	846 48		
Manure and fertilizer,	747 83		
Teaming,	746 25		
Electric lighting,	9 50		
Gas,	6 34		
	<hr/>		
	\$17,093 86		
Less transferred to City Nursery and greenhouses, storehouses, etc.	5,239 52		
	<hr/>	11,854 34	
STREET TREES :			
Laborers,	\$5,145 21		
Teaming,	532 03		
Watering,	177 00		
Materials,	85 83		
Trees,	22 00		
	<hr/>	5,962 07	
Massachusetts avenue :			
Laborers,	\$575 00		
Sods and grass seed,	212 53		
Teaming,	143 55		
Loam,	69 00		
Gravel,	52 50		
Manure,	39 26		
Repairs,	8 00		
	<hr/>	1,099 84	
Blackstone square :			
Laborers,	\$540 00		
Teaming,	37 00		
Repairs,	6 00		
	<hr/>	583 00	
Franklin square :			
Laborers,	\$510 00		
Teaming,	33 00		
Repairs,	6 00		
	<hr/>	579 00	
Worcester square :			
Laborers,	\$150 50		
Plants and seeds,	54 00		
Gravel,	28 00		
Teaming,	21 00		
	<hr/>	253 50	
Concord square :			
Laborers,	\$125 00		
Plants and seeds,	45 00		
Teaming,	12 00		
Repairs,	6 25		
Manure,	6 00		
	<hr/>	194 25	
Rutland square :			
Laborers,	\$130 00		
Plants and seed,	45 00		
Teaming,	12 00		
	<hr/>	187 00	
<i>Carried forward,</i>		<hr/>	<hr/>
		\$77,793 20	\$14,166,196 29

<i>Brought forward,</i>		\$77,795 20	\$14,166,196 29
Union park :			
Laborers,	\$81 00		
Plants and seed,	54 00		
Gravel,	24 50		
Teaming,	16 50		
Repairs,	8 00		
	<hr/>	184 00	
Fort Hill square :			
Laborers,	\$110 00		
Sods and grass seed,	30 69		
Teaming,	13 50		
Manure,	11 52		
Loam,	4 00		
	<hr/>	169 71	
St. Stephen street :			
Iron fence,	\$87 94		
Laborers,	69 00		
	<hr/>	156 94	
City Hall :			
Laborers,	\$90 00		
Teaming,	20 25		
Grass seed,	13 20		
Loam,	6 00		
Repairs,	1 00		
	<hr/>	130 45	
Copley square :			
Laborers,	\$115 00		
Teaming,	15 00		
	<hr/>	130 00	
Berwick park :			
Laborers,	\$110 00		
Teaming,	9 00		
	<hr/>	119 00	
Lowell square :			
Laborers,	\$90 00		
Teaming,	12 00		
Grass seed,	3 85		
	<hr/>	105 85	
Square, Waltham street :			
Laborers,	\$90 00		
Teaming,	9 00		
	<hr/>	99 00	
Greenwich park :			
Laborers,	\$90 00		
Teaming,	9 00		
	<hr/>	99 00	
Park square :			
Laborers,	\$92 10		
Teaming,	1 00		
	<hr/>	93 10	
CHARLESTOWN DISTRICT GROUNDS.			
Sullivan square :			
Laborers,	\$410 00		
Sods and grass seed,	54 60		
Manure and fertilizer,	43 00		
Plants,	42 00		
Teaming,	30 00		
Repairs,	9 00		
	<hr/>	588 60	
Winthrop square :			
Laborers,	\$405 00		
Sods and grass seed,	57 21		
Plants,	50 00		
	<hr/>		
<i>Carried forward,</i>	\$512 21	\$79,670 85	\$14,166,196 29

CITY PAYMENTS.

<i>Brought forward,</i>	\$512 21	\$79,670 85	\$14,166,196 29
Manure and fertilizer,	28 00		
Teaming,	25 00		
Repairs,	8 00		
	<hr/>	573 21	
City square :			
Laborers,	\$340 00		
Plants,	55 25		
Teaming,	40 50		
Manure and fertilizer,	31 00		
Grass seed,	7 50		
Repairs,	6 60		
	<hr/>	480 85	
Essex square :			
Laborers,	\$135 00		
Plants,	10 00		
Teaming,	6 00		
Manure,	6 00		
Grass seed,	8 15		
	<hr/>	160 15	
Bunker Hill and Vine streets :			
Laborers,	\$41 00		
Manure,	24 00		
Teaming,	4 00		
	<hr/>	69 00	
EAST BOSTON DISTRICT GROUNDS.			
Central square :			
Laborers,	\$462 00		
Teaming,	68 00		
Plants,	63 43		
Loam,	22 00		
Manure,	15 48		
	<hr/>	630 91	
Belmont square :			
Laborers,	\$460 00		
Teaming,	64 00		
Plants,	44 00		
Manure,	21 00		
Loam,	15 00		
	<hr/>	604 00	
Maverick square :			
Laborers,	\$425 00		
Teaming,	43 00		
Plants,	33 76		
Manure,	9 00		
	<hr/>	510 76	
Putnam square :			
Laborers,	\$334 00		
Gravel,	31 50		
Teaming,	25 00		
Manure,	18 00		
	<hr/>	408 50	
Prescott square :			
Laborers,	\$294 00		
Gravel,	38 50		
Teaming,	28 00		
Manure,	18 00		
	<hr/>	378 50	
SOUTH BOSTON DISTRICT GROUNDS.			
Independence square :			
Laborers,	\$570 00		
Teaming,	91 00		
	<hr/>		
<i>Carried forward,</i>	\$661 00	\$83,486 73	\$14,165,196 29

<i>Brought forward,</i>	\$661 00	\$83,486 73	\$14,166,196 29
Sods and grass seed,	85 77		
Loam,	48 00		
Repairs,	41 38		
Manure,	12 00		
	<hr/>	848 15	
Telegraph hill :			
Laborers,	\$195 00		
Repairs,	26 21		
Teaming,	20 00		
	<hr/>	241 21	
Lincoln square :			
Laborers,	\$296 00		
Repairs,	62 00		
Plants,	58 00		
Loam,	18 00		
Teaming,	15 00		
Manure,	9 00		
	<hr/>	458 00	
Commonwealth park :			
Laborers,	\$365 00		
Teaming,	3 00		
	<hr/>	368 00	
DORCHESTER DISTRICT GROUNDS.			
Richardson square :			
Loam,		900 00	
Mount Bowdoin :			
Laborers,	\$276 00		
Gravel,	38 50		
Teaming,	33 00		
Plants,	27 00		
	<hr/>	374 50	
Dorchester field :			
Laborers,	\$264 00		
Teaming,	15 00		
	<hr/>	279 00	
Meeting-House hill :			
Laborers,	\$205 00		
Teaming,	21 00		
Manure,	12 00		
Grass seed,	5 50		
	<hr/>	243 50	
Eaton square :			
Laborers,	\$156 00		
Teaming,	21 00		
Plants,	10 00		
Repairs,	4 00		
	<hr/>	191 00	
Peabody square :			
Laborers,	\$91 80		
Loam,	45 00		
Teaming,	30 00		
Sods,	15 00		
Manure,	9 20		
	<hr/>	191 00	
Magnolia street :			
Laborers,	\$115 00		
Teaming,	6 00		
	<hr/>	121 00	
Adams street :			
Laborers,		105 00	
<i>Carried forward,</i>		\$87,807 09	\$14,166,196 29

<i>Brought forward,</i>		\$87,807.09	\$14,166,196 29
ROXBURY DISTRICT GROUNDS.			
Washington park :			
Laborers,	\$891 00		
Manure and fertilizers,	195 00		
Loam,	118 00		
Teaming,	117 00		
Grass seed,	19 65		
	<hr/>	1,340 65	
Orchard park :			
Laborers,	\$622 25		
Teaming,	271 50		
Manure and fertilizers,	207 86		
Gravel,	87 50		
Loam,	40 00		
Clay,	15 00		
Grass seed,	12 15		
	<hr/>	1,256 26	
Madison square :			
Laborers,	\$822 98		
Manure and fertilizers,	132 25		
Gravel,	80 50		
Teaming,	65 00		
Plants,	19 25		
Loam,	18 00		
Grass seed,	12 15		
	<hr/>	1,150 13	
Bromley park :			
Laborers,	\$266 00		
Teaming,	32 00		
Loam,	18 00		
Sods,	16 50		
	<hr/>	332 50	
Highland park :			
Laborers,	\$256 00		
Teaming,	9 00		
	<hr/>	265 00	
Fountain square :			
Laborers,	\$174 00		
Fertilizers,	36 00		
Teaming,	21 00		
Loam,	15 00		
Sods,	12 00		
	<hr/>	258 00	
Linwood park :			
Laborers,	\$203 00		
Loam,	15 00		
Teaming,	12 00		
Sods,	9 00		
	<hr/>	239 00	
Longwood park :			
Laborers,	\$85 00		
Gravel,	31 50		
Teaming,	25 00		
Sods,	15 00		
Loam,	14 00		
	<hr/>	170 50	
Lewis square :			
Laborers,	\$105 00		
Sods and grass seed,	18 65		
	<hr/>	123 65	
<i>Carried forward,</i>		\$92,942 78	\$14,166,196 29

<i>Brought forward,</i>		\$92,942 78	\$14,166,196 29
Cedar square :			
Laborers,	\$92 00		
Teaming,	15 00		
	<hr/>	107 00	
Walnut park :			
Laborers,	\$85 00		
Repairs,	14 00		
	<hr/>	99 00	
Warren square :			
Laborers,		85 00	
WEST ROXBURY DISTRICT GROUNDS.			
Centre street :			
Laborers,		85 00	
Soldiers' monument lot :			
Laborers,		85 00	
BRIGHTON DISTRICT GROUNDS.			
Rogers park :			
Laborers,	\$515 00		
Teaming,	83 00		
	<hr/>	548 00	
Jackson square :			
Laborers,	\$228 00		
Teaming,	20 00		
Grass seed,	3 15		
	<hr/>	251 15	
Brighton square :			
Laborers,	\$230 00		
Grass seed,	5 50		
	<hr/>	235 50	
Fern square :			
Laborers,	\$118 00		
Plants,	4 75		
	<hr/>	122 75	
		<hr/>	
		\$94,561 18	
CITY NURSERY AND GREENHOUSES.			
ADDITIONAL LAND.			
Land, Massachusetts avenue,		\$8,000 00	
Taxes,		39 68	
		<hr/>	
		\$8,039 68	
CITY NURSERY AND GREENHOUSES, STOREHOUSES, ETC.			
Labor,		\$1,939 40	
Heating apparatus,		1,072 36	
Teaming,		651 50	
Filling,		451 00	
Painting and glazing,		343 63	
Masonry,		202 00	
Manure and fertilizers,		163 37	
Gutters, etc.,		55 98	
Loam,		53 00	
Carpentry,		15 91	
Transferred from Public Grounds Dept.,		5,239 52	
		<hr/>	
		\$10,187 67	
HIGHLAND PARK.			
Employés,		\$3,929 78	
Gravel,		658 00	
		<hr/>	
<i>Carried forward,</i>		\$4,587 78	\$14,166,196 29

<i>Brought forward,</i>	\$4,587 78	\$14,166,196 29
Painting stand-pipe,	640 04	
Stone, stone-work, and pointing,	420 00	
Iron-work,	185 76	
Carpentry,	103 00	
Wire guards,	102 00	
Tools, etc.,	85 75	
Cement,	78 00	
Lumber,	60 23	
Teaming,	43 50	

\$6,306 06

INDEPENDENCE SQUARE AND THOMAS PARK.

Labor,	\$7,814 28
Sods and grass seed,	2,130 08
Iron fence, Thomas park,	1,982 20
Teaming,	1,819 00
Manure and fertilizers,	1,773 79
Loam,	588 00
Gravel,	473 00
Painting,	252 30
Masonry,	80 00
Iron-work,	62 00
Tools,	32 59
Filling,	12 00

\$16,519 24

RECAPITULATION.

Public-Grounds Department,	\$94,561 18
<i>\$6.00 of this amount drawn for but not paid.</i>	
City Nursery and Greenhouses, additional land,	8,039 68
City Nursery and Greenhouses, storehouses, etc.,	10,187 67
Highland Park,	6,306 06
Independence square and Thomas park,	16,519 24

185,613 83

Rapid Transit.

Continuation of payments under Chap. 548, Acts of 1894.

Salaries:

Commissioners:

George G. Crocker, Chairman,	\$5,000 00
Charles H. Dalton,	5,000 00
Thomas J. Gargan,	5,000 00
George F. Swain	5,000 00
Albert C. Burrage,	5,000 00
George B. Upham, Secretary	
from May 11 to July 2, 1894,	566 66
B. Leighton Beal, Secretary,	2,708 83
Howard A. Carson, Engineer,	7,916 00
Engineering and Inspection,	33,173 25
Clerk-hire,	2,050 97
Employés,	18,940 73

\$90,355 94

Land damages,

750,000 00

Contractors:

Subway, Section I., Jones & Meehan,	110,925 14
Steel for Sections I. and II., Pennsylvania Steel Co.,	48,836 03

Carried forward

\$1,000,117 11 \$14,801,810 12

<i>Brought forward,</i>	\$1,000,117 11	\$14,301,810 12
Pipe sewer and Section of Subway, Park and Tremont streets, Edward W. Everson,	6,195 62	
Subway, Section II., Edward W. Everson,	1,772 90	
Subway, Section III., Fredk. E. Shaw,	6,293 23	
Relocating pipes, Alfred N. Farrington,	1,039 64	
Grading, etc., Charles and Boylston streets, A. E. Weaving,	171 60	
Legal expenses,	6,350 00	
Printing,	4,272 46	
Tools, hardware, and general supplies,	3,421 80	
Teaming,	2,775 16	
Rent and care of offices,	2,697 50	
Lumber and carpentry,	2,025 01	
Stationery and books,	1,733 38	
Asphalt,	1,606 78	
Expert services,	1,605 95	
Cement and sand,	1,525 17	
Office expenses,	1,478 08	
Advertising,	1,158 34	
Drain-pipe,	1,042 91	
Testing materials,	921 73	
Terra-cotta tile,	730 13	
Clearing tombs, removing bones, tablet and markers,	547 00	
Repairing water-pipes,	459 95	
Masonry and repairing,	429 27	
Insurance on buildings,	407 50	
Telephone service,	386 62	
Electric lighting,	298 63	
Engineering expenses,	290 85	
Flagging,	286 39	
Fuel,	186 76	
Brick,	157 50	
Loam,	106 25	
Stenographic work and typewriting,	71 00	
Sods,	45 00	
Travelling expenses,	27 00	
Messenger service,	18 28	
Water-rates,	15 40	
Paving,	14 78	
Manure,	8 49	
Interest on debt.	22,000 00	
	<hr/>	
	\$1,074,690 67	
Less transferred to Charlestown bridge,	6,668 79	
	<hr/>	1,068,021 88

Refunds.

Amounts refunded on the following accounts :

Taxes,	\$2,004 23
Sewer assessment,	50 00
Park betterments,	43 20
Police income,	5 00
	<hr/>

2,102 43

Registration of Voters Department.*Department abolished July 1, 1895, by Chap.**449, Acts of 1895.*

Salaries to July 1, 1895, Registrars :

Linus E. Pearson,	\$1,500 00
Michael Carney,	1,500 00
John A. Collins,	1,500 00
	<hr/>

Carried forward,

\$4,500 00

\$15,371,934 43

<i>Brought forward,</i>	\$4,500 00	\$15,371,934 43
Clerk-hire,	7,489 00	
	<hr/>	
	\$11,989 00	
Copying polls from Assessors' books,	2,839 52	
Printing,	404 07	
Stationery	179 25	
Telephone service,	147 60	
Advertising,	74 30	
Furniture and office expenses,	60 70	
Boards, posting, and carting,	21 00	
Refreshments for clerks, night-service,	20 00	
	<hr/>	
		15,735 44

Registry Department.

Salaries :

William H. Whitmore, City Registrar,	\$4,000 00
Assistant Registrars, Clerks, and Messenger,	15,352 21

	\$19,352 21
Indexing,	4,153 65
Printing and binding,	2,270 05
Collecting number of births, and tabulating,	1,743 45
Bunker Hill Memorial,	801 14
Stationery,	376 99
Travelling expenses,	65 75
Cartage,	1 70

Catherine J. Short, widow of John C. Short, balance of salary he would have been entitled to had he lived and held office until May 1, 1895, Chap. 249, Acts of 1895, and order of City Council. Approved April 24, 1895,

1,074 09	29,839 03
----------	-----------

Residue Tax-sales, etc.

Amount paid on this account,

1,858 37

Sawyer Bequests.

Investment in City of Boston Bonds of Bequests of Samuel E. Sawyer for Horace Mann School for the Deaf, Marcella-Street Home,

\$2,000 00	
2,000 00	4,000 00

Schools and School-houses.*Payments for carrying on the Public Schools :*

SALARIES OF OFFICERS OF SCHOOL COMMITTEE.

Edwin P. Seaver, Superintendent,	\$4,200 00
R. C. Metcalf, Supervisor,	3,780 00
Ellis Peterson, "	3,780 00
G. H. Conley, "	3,780 00
Geo. H. Martin, "	3,780 00
Walter S. Parker, "	3,780 00
Sarah L. Arnold, Supervisor from April 22, 1895,	2,614 50
P. Bates, Secretary,	3,300
William J. Porter, Auditing Clerk,	3,300 00
Assistants to Secretary and Auditing Clerk and Clerk to Superintendent,	6,785 00
Truant-officers,	20,900 00
Alvah H. Peters, Messenger,	200 00
Assistants,	2,255 00

\$62,454 50	
<hr/>	
\$62,454 50	\$15,423,362 27

Carried forward,

<i>Brought forward,</i>		\$62,454 50	\$15,423,362 27
SCHOOL INSTRUCTORS.			
<i>Payments for salaries.</i>			
Latin and High Schools,	\$272,251 51		
Grammar and Primary Schools,	1,124,510 82		
Kindergartens,	61,082 18		
Horace Mann School for the Deaf,	13,491 20		
Special instructors :			
Of music,	16,608 00		
Drawing,	4,800 00		
Military tactics and armorer,	2,880 00		
Physical training,	5,000 00		
Language director,	3,000 00		
German,	1,500 00		
French,	1,500 00		
Kindergarten director,	2,878 67		
Manual training,	22,468 12		
Evening Schools :			
Evening High,	15,712 00		
Elementary,	25,325 50		
Drawing,	11,559 00		
		1,584,567 00	
SUPPLIES AND INCIDENTALS.			
Books for schools and school libraries,	\$45,280 50		
Printing, drawing materials, and stationery :			
Stationery, including			
record-books,	\$14,605 34		
Printing,	7,126 91		
Drawing-materials, instruments, models and designs, and drawing-boards,	5,462 22		
		27,194 47	
Philosophical, chemical, photographic, and mathematical instruments, chemicals and botanical specimens,	3,878 56		
Kindergartens :			
Attendants,	\$1,544 00		
Materials,	1,486 04		
		3,030 04	
Annual festival to medal and diploma scholars, June 29, 1895 :			
Bouquets,	\$1,280 00		
Collation,	790 25		
Rent of hall,	250 00		
Car-fares,	147 32		
Band of music,	104 00		
Stands and small items,	46 80		
		2,618 37	
Car-fares and ferry-tolls,	2,590 26		
Pianos, repairing and tuning,	2,390 00		
Engraving, printing, and filling out, and ribbon for diplomas,	1,928 81		
Taking school census,	1,600 00		
Military expenses,	1,546 34		
Removing ashes from school-houses,	1,250 00		
Clerical services,	1,174 40		
Maps and globes,	1,025 74		
<i>Carried forward,</i>	\$95,007 49	\$1,647,021 50	\$15,423,362 27

<i>Brought forward,</i>	\$95,007 49	\$1,647,021 50	\$15,423,362 27
Town of Brookline, tuition and amount refunded,	699 52		
Publishing proceedings of School Board,	570 00		
Advertising,	470 19		
Board of and shoeing horses, and repairs of vehicles and harnesses,	461 50		
Exhibition at Mechanics Fair,	458 98		
Slates, slate-racks, and repairs, pencils and erasers,	437 65		
Telephone and messenger service,	292 93		
Sewing materials,	231 32		
Washing towels, and small items,	220 39		
Cartage and freights,	217 79		
Expenses of truant officer in defence of suit,	100 00		
Supply Department, employes,	6,825 00		
Manual Training and Cooking Schools, tools, lumber, and supplies,	5,624 27		
Brooms, tools, and supplies,	4,930 79		
Carriage-hire,	128 75		
Refreshments,	58 30		
		116,734 87	
SALARIES OF JANITORS:			
Janitors, care of and cleaning houses, building fires, and clearing snow,		123,871 31	
FUEL, GAS, AND WATER.			
Fuel, \$62,279 20			
Weighing and receiving coal, 999 81			
	\$63,279 01		
Water-rates,	6,837 55		
Gas,	4,891 05		
Electric light and power,	892 68		
		75,900 29	
		<u>\$1,963,527 97</u>	
PUBLIC BUILDINGS, SCHOOLS.			
<i>Alteration and repairs on the several houses and rented rooms:</i>			
Furniture and furnishings,		\$42,593 66	
Carpentry and materials,		39,663 03	
Masonry, whitening, concreting, and materials,		36,516 96	
Heating and ventilating,		28,689 66	
Painting and glazing,		20,881 89	
Plumbing and gutters,		20,553 73	
Rents,		20,499 50	
Roofing,		10,066 48	
Blackboards and repairs,		4,669 72	
Locksmithing, bell-hanging, and electrical work,		3,195 08	
Cartage,		3,037 42	
Fire-alarm apparatus, use of,		2,418 82	
Gas and electric fixtures, piping and repairs,		2,284 24	
Iron and metal work,		2,250 63	
Filling, grading, and care of grounds,		1,799 37	
<i>Carried forward,</i>		<u>\$239,120 19</u>	<u>\$15,423,362 27</u>

<i>Brought forward,</i>		\$239,120 19	\$15,423,362 27
Buggies, horse, board of and shoeing horses, and repairs of vehicles, and harnesses,		1,354 06	
Disinfectants,		1,134 10	
Flag-staffs and repairs,		684 92	
Stationery,		634 52	
Sewer assessments,		630 80	
Removing snow and dirt,		401 94	
Travelling expenses,		158 00	
Messenger service,		121 87	
Printing,		73 15	
Care of school building,		48 00	
Salt,		34 20	
Water,		23 00	
Advertising,		3 38	
Salaries, Fred. B. Bogan, Supt.,	\$1,400 00		
Assistants,	4,285 00		
		5,685 00	
		<u>\$250,107 13</u>	
GIBSON SCHOOL-FUND, INCOME.			
<i>Payments for school supplies.</i>			
Books,		\$732 59	
Philosophical instruments and maps,		398 43	
Stationery,		72 77	
		<u>\$1,203 79</u>	
ROBERT C. WINTHROP FUND.			
Books for Latin School library,		\$29 00	
SCHOOL-HOUSES.			
<i>Payments made under authority of Chap. 408, Acts of 1895.</i>			
Rice School-house, alterations :			
Carpentry and lumber,	\$4,305 53		
Heating apparatus,	2,912 69		
Plastering, tinting, etc.,	1,365 95		
Plumbing,	1,304 70		
Cleaning,	51 00		
		89,939 87	
Lewis School-house, alterations :			
Contractor, Walter S. Sampson,	\$5,800 00		
Architect, Lewis H. Bacon,	225 00		
Printing,	62 90		
Advertising,	9 30		
		6,097 20	
Small wooden buildings :			
Harbor View street,	\$2,328 56		
Meeting-House Hill,	1,811 07		
Train street,	1,567 96		
Howard avenue,	25 33		
H street,	24 90		
		5,757 82	
Primary School-house, Canter- bury and Sharon streets, grad- ing :			
Contractor, Thomas Minton,	\$2,887 50		
Landscape architects, Gray & Blaisdell,	200 00		
<i>Carried forward,</i>	\$3,087 50	\$21,794 89	\$15,423,362 27

<i>Brought forward,</i>	\$3,087 50	\$21,794 89	\$15,423,362 27
Printing,	34 38		
Advertising,	22 05		
	<hr/>	3,143 93	
Brighton High School-house, grading:			
Contractor, James McGovern,	\$2,737 50		
Landscape architects, Gray & Blaisdell,	800 00		
Advertising,	50 45		
Printing,	41 59		
	<hr/>	3,129 54	
Primary School-house, Beech street, Roslindale:			
Architect, George A. Avery,	\$751 56		
Printing,	225 40		
Advertising,	51 15		
	<hr/>	1,028 11	
		<hr/>	
		\$29,096 47	
		<hr/>	
AGASSIZ SCHOOL-HOUSE, ETC.			
<i>Balance of payments.</i>			
Grading, Fallon & Cronin,		\$335 01	
Bronze tablet,		255 00	
Plans, etc., for heating and ventilating,		60 86	
		<hr/>	
		\$650 87	
		<hr/>	
AUSTIN PRIMARY SCHOOL-HOUSE.			
"Warren H. Cudworth School."			
<i>Balance of payments.</i>			
Heating and ventilating, Albert B. Franklin,		\$588 00	
Plans, etc., for heating and ventilating,		16 35	
		<hr/>	
		\$604 35	
		<hr/>	
Cost of land,	\$20,214 14		
Cost of building,	71,201 66		
Cost of furnishing,	3,272 33		
	<hr/>		
	\$94,688 13		
	<hr/>		
AUSTIN PRIMARY SCHOOL-HOUSE, FURNISHING.			
Furniture,		\$2,945 14	
Carpentry,		181 11	
Installing fire-alarm system,		72 00	
Heating apparatus,		58 23	
Glazing,		15 85	
		<hr/>	
		\$3,272 33	
		<hr/>	
BRIGHTON HIGH SCHOOL-HOUSE.			
<i>Continuation of payments.</i>			
Contractors, Whidden & Co.,		\$77,425 00	
Heating and ventilating, Walworth Construction and Supply Co.,		10,875 00	
Stone carving, John Evans & Co.,		1,098 00	
Sewer assessment,		809 32	
Plans, etc., for heating and ventilating,		225 00	
Printing,		23 33	
Expert service,		15 00	
		<hr/>	
		\$90,470 65	
		<hr/>	
<i>Carried forward,</i>			\$15,423,362 27

<i>Brought forward,</i>		\$15,428,362 27
GRAMMAR SCHOOL-HOUSE, BOWDOIN DISTRICT.		
<i>Continuation of payments.</i>		
Contractors, John S. Jacobs & Son,	\$44,000 00	
Heating and ventilating, Swan & Sons,	4,400 00	
Printing,	214 88	
Installing electric lights,	192 50	
Advertising,	29 40	
	<u>\$48,836 78</u>	
GRAMMAR SCHOOL-HOUSE, GIBSON DISTRICT.		
<i>"Christopher Gibson School."</i>		
<i>Continuation of payments.</i>		
Contractor, James Fagan,	\$42,200 00	
Grading and paving yard, Daniel J. Cronin,	6,000 00	
Heating and ventilating, Q. N. Evans, Construction Co.,	5,468 75	
Blackboards,	830 21	
Fuel,	512 30	
Inspector,	345 00	
Plans, etc., for heating and ventilating,	129 62	
Sewer assessment,	96 51	
Printing,	86 52	
Advertising,	18 75	
	<u>\$55,627 66</u>	
GRAMMAR SCHOOL-HOUSE GIBSON DISTRICT, FURNISHING.		
Furniture,	\$10,738 56	
Carpentry,	1,697 35	
Painting,	429 88	
Masonry,	277 75	
Plumbing,	228 54	
Ventilation,	181 50	
Gas fixtures,	147 77	
Cartage,	138 00	
Cleaning,	56 00	
	<u>\$13,890 35</u>	
GRAMMAR SCHOOL-HOUSE, HARRIS DISTRICT, SITE.		
30,000 square feet of land, corner of King and Adams streets,	\$9,000 00	
GRAMMAR SCHOOL-HOUSE, MT. VERNON DISTRICT,		
<i>GRADING, ETC.</i>		
<i>Payments on account.</i>		
Contractors, John A. Whittemore's Sons,	\$1,700 00	
Printing,	23 70	
Advertising,	14 00	
	<u>\$1,737 70</u>	
GRAMMAR SCHOOL-HOUSE, STOUGHTON DISTRICT, BUILDING.		
<i>Continuation of payments.</i>		
Contractor, James Fagan,	\$46,177 48	
Heating and ventilating,	5,400 00	
Grading,	1,343 03	
Carving,	86 00	
Fuel,	51 80	
Inspector of roofing,	40 00	
Printing,	15 44	
	<u>\$53,118 75</u>	
<i>Carried forward,</i>	\$53,118 75	\$15,428,362 27

<i>Brought forward,</i>	\$53,113 75	\$15,423,362 27
Cochituate Water-Works,	11 95	
Advertising,	9 75	
	<u>\$53,135 45</u>	
HANCOCK SCHOOL-HOUSE, ENLARGEMENT OF YARD.		
Masonry,	\$2,803 78	
Urinals,	500 28	
Iron-work,	311 65	
Carpentry,	234 42	
Plumbing,	202 22	
Taxes on land,	142 21	
Pruning trees,	2 50	
	<u>\$4,197 06</u>	
HUGH O'BRIEN SCHOOL-HOUSE, ADDITIONAL LAND.		
3,600 square feet of land, rear of Dudley street,	\$3,600 00	
MECHANIC ARTS HIGH SCHOOL.		
<i>Continuation of payments.</i>		
Work-benches, D. J. Donovan's Sons,	\$1,012 57	
MECHANIC ARTS HIGH SCHOOL, FURNISHING.		
<i>Continuation of payments.</i>		
Machinery, tools, benches, drawing tables, etc.,	\$22,352 53	
Plans, etc.,	450 48	
Painting,	107 88	
Removing water-color paint from beams in machine-shop,	7 75	
Printing,	2 43	
	<u>\$22,921 07</u>	
NEW SCHOOL-HOUSE, WARD 15.		
21,548 square feet of land, Harvest street, including grading lot and excavating cellar,	\$9,419 50	
Taxes,	58 00	
Architect, William H. Besarick,	1,942 50	
	<u>\$11,420 00</u>	
PRIMARY SCHOOL-HOUSE, ABERDEEN DISTRICT, SITE.		
25,000 square feet of land, corner of Chestnut Hill avenue and Chiswick road,	\$13,750 00	
PRIMARY SCHOOL-HOUSE, CANTERBURY AND SHARON STREETS.		
<i>"Stephen M. Weld School."</i>		
<i>Continuation of payments.</i>		
Contractor, George G. Baker,	\$11,904 30	
Heating and ventilating, Lynch & Woodward,	977 50	
Plans, etc., for heating and ventilating,	391 00	
Advertising,	33 75	
Printing,	27 16	
	<u>\$13,333 71</u>	
PRIMARY SCHOOL-HOUSE, CANTERBURY AND SHARON STREETS, FURNISHING.		
Furniture,	\$2,408 48	
Carpentry,	242 41	
Cleaning,	36 00	
	<u>\$2,686 89</u>	
<i>Carried forward,</i>	\$2,686 89	\$15,423,362 27

<i>Brought forward,</i>	\$2,686 89	\$15,423,362 27
Cartage,	32 50	
Glazing,	6 40	

\$2,725 79

PRIMARY SCHOOL-HOUSE, EUSTIS STREET, NEW BUILDING.

Continuation of payments.

Contractor, John McNamara,	\$13,000 00
Heating and ventilating, Walker & Pratt M'fg Co.,	3,150 00
Blackboards,	413 70
Plans, etc., for ventilating apparatus,	23 50
Printing,	2 74

\$16,589 94

PRIMARY SCHOOL-HOUSE, EUSTIS STREET, FURNISHING.

Furniture,	\$1,694 71
Carpentry,	536 94
Cleaning,	32 60
Painting,	18 14
Gas fixtures,	14 37

\$2,296 76

PRIMARY SCHOOL-HOUSE, GENESEE STREET.

Payments on account.

Land Genesee and Oswego streets,	\$43,550 00
Appraising estates,	200 00
Contractor, George G. Baker,	34,500 00
Printing,	140 22
Advertising,	26 75

\$78,416 97

PRIMARY SCHOOL-HOUSE, MORTON STREET.

Continuation of payments.

Contractor, John McNamara,	\$5,426 05
Heating apparatus, Albert B. Franklin,	427 46
Grading,	3,100 00
Plans, etc., for heating and ventilating,	75 00
Engineering,	64 25
Advertising,	45 25
Printing,	29 75
Typewriting,	2 00

\$9,169 76

PRIMARY SCHOOL-HOUSE, MORTON STREET, FURNISHING.

Furniture,	\$612 69
Cartage,	22 50
Cleaning,	21 00

\$656 19

PRIMARY SCHOOL-HOUSE, MOULTON STREET.

*"William H. Kent School."**Balance of payments.*

Contractors, John S. Jacobs & Son,	\$16,018 84
Heating apparatus, Lynch & Woodward,	1,782 00
Blackboards,	448 00
Printing,	52

\$18,249 36

Carried forward.

\$15,423,362 27

<i>Brought forward,</i>		\$15,428,362 27
<i>Cost of building,</i>	\$53,218 61	
<i>Cost of furnishing,</i>	1,622 82	

\$54,841 43

**PRIMARY SCHOOL-HOUSE, MOULTON STREET,
FURNISHING.**

Furniture,	\$1,466 16
Carpentry,	104 81
Painting,	32 35
Cleaning,	19 50
	<hr/>
	\$1,622 82

**PRIMARY SCHOOL-HOUSE, NORTH OF BROADWAY,
FURNISHING.**

Furniture,	\$2,344 39
Blackboards,	538 65
Carpentry,	181 41
	<hr/>
	\$3,064 45

PRIMARY SCHOOL-HOUSE, OAK SQUARE, FURNISHING.

Furniture,	\$710 72
Carpentry,	78 31
Cleaning,	46 00
Plumbing,	45 52
Masonry,	6 00
	<hr/>
	\$886 55

PRIMARY SCHOOL-HOUSE, OAK SQUARE, GRADING, ETC.

Grading and paving, T. F. Finneran,	\$2,743 50
Drain, cesspool, etc.,	580 55
Sewer assessment,	186 24
Printing,	24 71
Advertising,	15 00
	<hr/>
	\$3,500 00

RECAPITULATION.

School Committee,	\$1,963,527 97	
<i>\$6.22 of this amount drawn for but not paid.</i>		
Public Buildings, schools,	250,107 13	
<i>\$270.84 of this amount drawn for but not paid.</i>		
Gibson School-fund, income,	1,203 79	
Robert C. Winthrop Fund,	29 00	
School-houses,	29,096 47	
Agassiz School-house, etc.,	650 87	
Austin Primary School-house,	604 35	
Austin Primary School-house, furnishing,	3,272 33	
Brighton High School-house,	90,470 65	
Grammar School-house, Bowdoin District,	48,836 78	
Grammar School-house, Gibson District,	55,627 66	
Grammar School-house, Gibson District, furnishing,	13,890 85	
Grammar School-house, Harris District, site,	9,000 00	
Grammar School-house, Mt. Vernon District, grading, etc.,	1,737 70	
Grammar School-house, Stoughton District, building,	53,135 45	
Hancock School-house, enlargement of yard,	4,197 06	
	<hr/>	
<i>Carried forward,</i>	\$2,525,387 56	\$15,428,362 27

<i>Brought forward,</i>	\$2,525,387 56	\$15,423,362 27
Hugh O'Brien School-house, additional land,	3,600 00	
Mechanic Arts High School,	1,012 57	
Mechanic Arts High School, furnishing,	22,921 07	
New School-house, Ward 15,	11,420 00	
Primary School-house, Aberdeen District, site,	13,750 00	
Primary School-house, Canterbury and Sharon streets,	13,333 71	
Primary School-house, Canterbury and Sharon streets, furnishing,	2,725 79	
Primary School-house, Eustis street, new building,	16,589 94	
Primary School-house, Eustis street, furnishing,	2,296 76	
Primary School-house, Genesee street,	78,416 97	
Primary School-house, Morton street,	9,169 76	
Primary School-house, Morton street, furnishing,	656 19	
Primary School-house, Moulton street,	18,249 36	
Primary School-house, Moulton street, furnishing,	1,622 82	
Primary School-house, north of Broadway, furnishing,	3,064 45	
Primary School-house, Oak square, furnishing,	886 55	
Primary School-house, Oak square, grading, etc.,	3,500 00	
	<hr/>	2,728,603 50

Sealing of Weights and Measures Department.

Salaries to January 23, 1896, inclusive:		
Michael D. Collins, Sealer, to April 30, 1895, inclusive,	\$788 86	
Osgood C. Blaney, Sealer, from May 1, 1895,	2,202 21	
Deputy Sealers,	12,635 77	
Messenger,	797 67	
	<hr/>	\$16,424 51
Board of and shoeing horses, and repairs of vehicles and harness,	2,386 34	
Tools, hardware, and weights,	234 08	
Telephone service,	156 00	
Stationery,	134 96	
Printing,	130 46	
Clerk-hire,	77 00	
Labor,	38 60	
Advertising,	36 79	
Travelling expenses,	1 00	
	<hr/>	19,619 14

Sinking-Funds Department.

Salaries:		
Alfred T. Turner, Treasurer,	\$700 00	
James H. Dodge, Secretary,	700 00	
Thomas Fay, Book-keeper,	700 00	
	<hr/>	\$2,100 00
Printing and stationery,	160 21	
Rodney McLaughlin, examination of accounts,	75 00	
	<hr/>	2,335 21

State Tax.

For the city's proportion of \$1,500,000, the State tax for the year 1895, of which the percentage is 35.928,	\$538,920 00	
	<hr/>	
<i>Carried forward,</i>	\$538,920 00	\$18,173,920 12

<i>Brought forward,</i>		\$538,920 00	\$18,173,920 12
Armory loan assessment:			
Sinking-fund,	\$10,056 27		
Interest,	18,000 00	28,056 27	
Metropolitan sewer assessment:			
Sinking-fund,	\$7,371 69		
Interest,	34,897 50		
Maintenance,	17,433 00	59,702 19	
Abolishment of grade cross-			
ings, assessment,	\$22,590 99		
Interest,	3,220 95	25,811 94	
			652,490 40

Statues of Grant, Sheridan, and Farragut.

Continuation of payments for base and pedestal for Shaw monument on the Common,

5,595 49

Street Department.

CENTRAL OFFICE.

Salaries:

Charles R. Cutter, Acting Superintendent, to Jan. 13, 1895, inclusive, \$270 83

Bertrand T. Wheeler, Superintendent, from Jan. 14, 1895, 7,229 17

Purchasing agents, 1,728 34

Executive engineer, 3,000 00

Messengers, 2,021 79

Clerk-hire, 1,450 00

\$15,700 13

Travelling expenses, 368 60

Stationery, 786 85

Horse-keeping, etc., 162 51

Telephone service, 293 86

Printing, 160 84

Office expenses, 308 42

Messenger service, 40 09

Typewriting, 199 49

Entertaining guests, 275 00

Teaming, 20 00

\$18,315 79

BRIDGE DIVISION.

General expenses.

Salaries:

John A. McLaughlin, Deputy Superintendent, to May 31, 1895, inclusive, \$1,250 00

John P. Wise, Deputy Superintendent, from June 1, 1895, 1,750 00

Clerk-hire and messengers, 3,657 79

Chief of drawtenders, 1,823 89

\$8,481 68

Employés at yards, 9,032 38

Horses, feed for and shoeing horses, and repairs of vehicles and harnesses, 2,954 67

Carried forward,

\$20,468 73

\$18,832,006 01

<i>Brought forward,</i>	\$20,468 73	\$18,832,006 01
Removing snow and dirt,	2,098 60	
Tools, hardware, and supplies for general use,	1,623 70	
Rent of stable,	600 00	
Telephone service,	472 30	
Repairs at yards,	424 24	
Stationery,	371 42	
Printing,	350 59	
Car-fares and tolls,	286 45	
Rent of dock for public landing, East Boston,	187 50	
Damages,	126 11	
Advertising,	46 54	
Fuel,	41 70	
Gas,	30 24	
	<hr/>	\$27,128 12
<i>BROADWAY BRIDGE, leading from Albany street to South Boston.</i>		
Salaries:		
Drawtender and assistants,	\$5,806 50	
Repairs,	4,550 90	
Fuel,	168 80	
Supplies,	37 29	
Gas,	36 06	
	<hr/>	10,599 55
<i>CAMBRIDGE-STREET, NORTH HARVARD-STREET, and WESTERN-AVENUE BRIDGES, between Brighton and Cambridge.</i>		
Drawtender,	\$1,096 68	
Repairs, Western avenue,	316 01	
Repairs, North Harvard street,	148 70	
Repairs, Cambridge street,	131 89	
Small supplies,	14 46	
	<hr/>	1,707 74
<i>CHARLES-RIVER BRIDGE, leading from Prince street to Charlestown.</i>		
Drawtender and assistants,	\$4,291 02	
Repairs,	1,561 21	
Fuel,	264 00	
Small supplies,	49 69	
Gas,	28 71	
	<hr/>	6,194 63
<i>CHELSEA BRIDGE, between Charlestown and Chelsea.</i>		
North Draw:		
Drawtender and assistants,	\$2,392 69	
Repairs,	655 14	
Fuel,	156 43	
Supplies,	40 26	
Electric lighting,	36 00	
Water-rates,	27 50	
	<hr/>	3,308 02
South Draw:		
Drawtender and assistants,	\$3,439 17	
Repairs,	2,539 85	
Fuel,	193 74	
Gas and small supplies,	193 59	
Water-rates,	32 50	
	<hr/>	6,418 85
<i>Carried forward.</i>		<hr/> \$55,356 91 \$18,832,006 01

<i>Brought forward,</i>		\$55,356 91	\$18,832,006 01
CHELSEA-STREET BRIDGE, leading from Chelsea street, East Boston, to Byron street, Chelsea.			
Drawtender,	\$299 00		
Repairs,	36 62		
	<hr/>	335 62	
COMMERCIAL-POINT BRIDGE.			
Drawtender,	\$50 00		
Repairs,	601 94		
	<hr/>	651 94	
CONGRESS-STREET BRIDGE, across Fort-point Channel.			
Drawtender and assistants,	\$5,282 05		
Repairs,	2,841 24		
Fuel,	254 30		
Small supplies,	128 16		
Water,	83 12		
	<hr/>	8,681 87	
DOVER-STREET BRIDGE, leading from Dover street to Fourth street, South Boston.			
Drawtender and assistants,	\$5,714 70		
Repairs,	2,914 54		
Fuel, oil, and supplies,	121 03		
Gas,	20 26		
	<hr/>	8,770 53	
ESSEX-STREET BRIDGE.			
Drawtender,	\$683 64		
Repairs,	596 76		
	<hr/>	1,280 40	
FEDERAL-STREET BRIDGE, leading to So. Boston.			
Drawtender and assistants,	\$5,050 93		
Repairs,	1,263 84		
Fuel and supplies,	75 54		
Gas,	40 98		
	<hr/>	7,031 29	
GRANITE BRIDGE, over Neponset River to Quincy.			
Drawtender,	\$239 20		
Repairs,	28 66		
	<hr/>	267 86	
L-STREET BRIDGE, from L street to Congress street.			
Drawtender and assistants,	\$4,429 11		
Repairs,	610 88		
Fuel and supplies,	345 41		
Water,	164 37		
	<hr/>	5,549 77	
MALDEN BRIDGE, from Alford street, Charlestown, across Mystic River.			
Drawtender and assistants,	\$3,163 90		
Repairs,	450 02		
Fuel, gas, and small supplies,	80 82		
Water-rates,	10 00		
	<hr/>	3,704 74	
MERIDIAN-STREET BRIDGE, leading from Meridian street, East Boston to Chelsea.			
Drawtender and assistants,	\$3,017 55		
Repairs,	1,244 12		
Feed for and shoeing horse,	142 45		
Fuel, gas, and supplies,	84 71		
Water-rates,	10 00		
	<hr/>	4,488 83	
<i>Carried forward,</i>		\$96,069 76	\$18,832,006 01

<i>Brought forward,</i>		\$96,069 76	\$18,832,006 01
<i>MOUNT WASHINGTON-AVE. BRIDGE, leading from Federal street to Granite street, South Boston.</i>			
Drawtender and assistants,	\$4,422 33		
Repairs,	1,416 00		
Small supplies,	112 92		
Gas,	62 15		
Rent,	60 00		
		6,073 40	
<i>NEPONSET BRIDGE, over Neponset river to Quincy.</i>			
Drawtender,	\$398 84		
Repairs and supplies,	185 50		
		584 34	
<i>WARREN BRIDGE, leading from foot of Beverly street to Charlestown.</i>			
Drawtender and assistants,	\$5,750 11		
Repairs,	1,782 83		
Fuel,	626 24		
Supplies,	67 17		
Gas,	66 92		
		8,293 27	
<i>WESTERN-AVENUE AND NORTH BEACON-STREET, BRIDGES, between Brighton and Watertown.</i>			
Drawtender,	\$149 76		
Repairs and supplies,	616 16		
		765 92	
<i>WINTHROP BRIDGE, between East Boston and Winthrop.</i>			
Drawtender,	\$100 00		
Repairs,	34 89		
		134 89	
<i>Repairs and care of inland bridges and culverts:</i>			
<i>Boylston street, over Boston & Albany R.R.,</i>			
	\$2,535 48		
<i>Roxbury crossing, temporary bridge, 9x1</i>			
	00		
<i>Cottage street, East Boston,</i>			
	591 68		
<i>Berkeley street over N. Y., N. H., & H. R.R.,</i>			
	551 89		
<i>Berkeley street over Boston & Albany R.R.,</i>			
	93 62		
<i>Swett street,</i>			
	301 87		
<i>Allston,</i>			
	256 13		
<i>Dartmouth street,</i>			
	231 72		
<i>Central avenue,</i>			
	195 46		
<i>Mattapan,</i>			
	172 02		
<i>Albany street,</i>			
	165 94		
<i>Columbus avenue,</i>			
	161 41		
<i>Massachusetts avenue over B. & A. R.R.,</i>			
	159 34		
<i>Massachusetts avenue over N. Y., N. H., & H. R.R.,</i>			
	91 82		
<i>West Newton street,</i>			
	114 17		
<i>Shawmut avenue,</i>			
	105 63		
<i>Blakemore street,</i>			
	96 56		
<i>Beacon street, Fens</i>			
	96 05		
<i>Beacon street over B. & A. R.R.,</i>			
	35 52		
<i>Huntington avenue,</i>			
	84 59		
<i>Powell street,</i>			
	77 79		
<i>Ferdinand street,</i>			
	66 13		
<i>Boylston avenue,</i>			
	64 45		
<i>Carried forward,</i>	\$7,230 27	\$111,921 58	\$18,832,006 01

<i>Brought forward,</i>	\$7,230 27	\$111,921 58	\$18,832,006 01
Linden park,	53 09		
Dorchester street,	49 78		
Ashland street,	41 65		
Florence street,	41 25		
Texas street,	40 00		
Broadway over B. & A. R.R.,	36 50		
Cottage Farm.	34 02		
Athens street,	25 92		
Bolton street,	19 84		
Hyde Park avenue,	13 00		
Longwood avenue,	10 39		
Canterbury street,	10 00		
	<hr/>	7,605 66	
Tunnel, Franklin street,		7 74	
Public Landing:			
Commercial wharf,		181 02	
		<hr/>	
		\$119,716 00	

CAMBRIDGE-BRIDGES DIVISION.

Payments of one-half of the cost of the care and maintenance of these Bridges, the other half being paid by the City of Cambridge.

GENERAL:

Clerk-hire,	\$250 00		
Travelling expenses, stationery, printing, etc.,	120 57		
	<hr/>	\$370 57	

WEST-BOSTON BRIDGE.

Salaries of drawtender and as- sistants,	\$1,250 00		
Repairs and cleaning,	1,641 86		
Electric lighting,	517 49		
Watering roadway,	175 00		
Fuel,	86 73		
Small supplies,	44 19		
Water-rates,	11 00		
	<hr/>	3,726 27	

CRAIGIE'S BRIDGE.

Salary of drawtender and as- sistants,	\$1,140 00		
Repairs and cleaning,	1,276 66		
Electric lighting,	287 52		
Watering roadway,	175 00		
Fuel,	102 76		
Small supplies,	40 68		
Water-rates,	16 00		
	<hr/>	3,038 62	

PRISON-POINT BRIDGE.

Salary of drawtender,	\$200 00		
Repairs and cleaning,	290 49		
Small supplies,	19 30		
Water-rates,	5 50		
	<hr/>	515 29	

HARVARD BRIDGE.

Salaries of drawtender and as- sistants,	\$1,272 00		
Repairs and cleaning,	2,254 28		
Electric lighting,	1,140 03		
Electric power,	150 00		
	<hr/>		
<i>Carried forward,</i>	\$4,816 31	\$7,650 75	\$18,832,006 01

<i>Brought forward,</i>	\$4,816 31	\$7,650 75	\$18,832,006 01
Small supplies,	53 27		
Advertising,	17 00		

 4,886 58

 \$12,537 33

FERRY DIVISION.

 William J. Burke, Superintendent of Ferry
 Department, to May 1, 1895, \$1,167 00

 Thomas Kellough, Superinten-
 dent of Ferry Department,
 from May 1 to July 1, and
 Deputy Superintendent Ferry
 Division since, 3,250 00

Clerk-hire, 2,560 38

Employés, 136,271 68

 \$142,082 01

Fuel,	24,911 34
Damages,	6,876 43
Repairs of buildings and drops,	5,081 72
Repairs of boats,	4,644 08
Teaming, weighing, and storing coal,	4,505 69
Rent of Sargent's wharf,	4,000 00
Water-rates,	3,249 60
Oil, waste, and supplies,	2,868 16
Express and use of tow-horses,	2,471 23
Electric lighting,	2,408 17
Gas,	2,284 18
Tools, iron, and hardware,	2,058 97
Printing,	1,046 39
Telephone service,	332 49
Furnishings,	222 46
Use of tow-boats,	203 00
Stationery,	157 81
Examination of accounts,	150 00
Keeping horse and repairs of vehicles,	138 94
Life-boat,	60 00
Advertising,	54 63
Car-fares,	79 00
Diving for body,	25 00

 \$209,911 30

PAVING DIVISION.

 Darius N. Payson, Deputy Superintendent,
 from Jan. 24, 1895, \$2,808 33

Clerks, 18,810 08

Foremen, 14,248 58

Inspector of smoke nuisance, 1,248 00

Laborers, 282,690 20

 \$319,805 19

Paving materials:

Stone for crushing, filling, and culverts,	\$54,017 08
Sand and cement,	8,298 25
Lumber,	9,163 93
Stone blocks,	7,777 24
Flagging,	7,513 27
Edgestone and cesspool curbs,	4,625 66
Brick,	5,761 85

Carried forward, \$97,157 28 \$319,805 19 \$18,832,006 01

<i>Brought forward,</i>	\$97,157 28	\$319,805 19	\$18,832,006 01
Beach gravel,	3,756 31		
Drain-pipe,	29 86		
	<hr/>	100,943 45	
Teaming, other than done by the department, and hire of horses,		93,981 22	
Master pavers, for paving, setting edgestone, laying asphalt pavement, and concrete side- walks and crosswalks,		42,554 68	
Gravel, earth, and ashes for filling and grad- ing,		37,513 42	
Engine, crusher, repairs on stone-crushers, and engines,	\$17,445 28		
Iron, steel, tools, hardware, and general supplies, including re- pairs of tools,	7,758 08		
Coal,	5,755 23		
Powder and fuse,	4,113 78		
Oils,	1,189 28		
	<hr/>	36,261 65	
Stable:			
Hay, grain, straw, and board,	\$15,579 64		
Purchase and exchange of horses,	4,527 86		
Shoeing,	2,101 80		
Harnesses and repairs,	2,010 85		
Wagons, carts, sweepers, bug- gies, sleighs, and repairs of wagons, etc.,	1,782 80		
Medicine and medical attendance,	1,139 84		
	<hr/>	27,142 79	
Damages to persons and property,		6,853 31	
Wharfage and rents,		4,734 46	
Contractors and mechanics for construction and repairs of streets, walls, cesspools, fences, and plank-sidewalks,		2,570 53	
Repairs of stables and sheds,		2,304 53	
Telephone service,		2,001 02	
Printing,		1,556 57	
Grade damages:			
Dorchester avenue,		1,163 96	
Stationery,		1,091 03	
Advertising,		565 05	
Travelling expenses,		513 64	
For dumping snow into tide-water,		500 00	
Insurance on fifteen boilers,		400 00	
Engineering expenses,		316 18	
Sidewalk assessment, Dorchester avenue and Ashmont street,		255 29	
Gas,		235 77	
Water-rates,		141 15	
Street signs and numbers,		136 20	
Messenger service,		120 38	
Typewriting and copying,		68 80	
Disinfectants,		61 50	
Recording releases,		50 25	
Electric lighting,		43 40	
Taxes,		14 00	
		<hr/>	
		\$683,899 42	
<i>Carried forward,</i>			\$18,832,006 01

<i>Brought forward,</i>		\$18,832,006 01
SANITARY DIVISION.		
Salaries :		
Philip A. Jackson, Acting Deputy Superintendent, to Feb. 1, 1895,	\$41 66	
Charles A. Young, Deputy Superintendent, from Feb. 1, 1895,	2,750 00	
Clerk-hire and messengers,	6,310 50	
Employés,	279,738 39	
	<hr/>	\$288,840 55
Hired-team work,		48,013 50
Stable :		
Purchase and exchange of horses,	\$4,987 70	
Hay, straw, grain, and roots,	25,858 86	
Repairs of vehicles,	1,590 91	
Medical attendance and medicine,	1,381 86	
Shoeing, other than done by the department,	1,224 47	
	<hr/>	34,993 80
Contractors for collecting house-dirt and ashes,	\$25,813 81	
Less charged to Street Cleaning Division,	1,938 11	
	<hr/>	23,875 70
Contractors for collecting offal,	\$17,008 17	
Less charged to Street Cleaning Division,	910 66	
	<hr/>	16,097 51
Materials, tools, etc., used in the workshops for manufacturing and repairing carts, wagons, harnesses, and shoeing horses, also in repairing buildings, viz. :		
Iron, steel, axles, springs, horseshoes, nails, hardware, and repairs,	\$4,329 90	
Saddlery, hardware, leather, horse-collars, and blankets,	1,837 52	
Lumber, hubs, and spokes,	1,366 20	
Paints, oils, etc.,	737 20	
Soft coal,	101 25	
	<hr/>	8,372 07
Removal of garbage :		
Labor,	\$1,304 00	
Dredging and repairs of wharf and boats,	1,858 84	
Use of dumping boat,	765 00	
Tug-boats,	713 00	
	<hr/>	4,640 84
Disposing of offal, Dorchester District,		569 44
Repairs of stables and sheds,		1,770 04
Printing,		930 46
Fuel,		833 96
Telephone service,		577 55
Stationery,		575 00
Electric lighting,		467 60
Advertising,		418 53
Buckets, brooms, shovels, etc.,		391 71
Tolls and fares,		371 35
Gas,		354 29
Disinfectants,		285 00
Water-rates,		143 30
Office expenses and small items,		122 57
Brushes, etc.,		73 75
	<hr/>	
<i>Carried forward,</i>	\$432,713 52	\$18,832,006 01

<i>Brought forward,</i>	\$432,713 52	\$18,832,006 01
Rents,	50 00	
Damages,	15 00	
	<u>\$432,778 52</u>	

SEWER DIVISION.

Salaries:

H. W. Sanborn, Deputy Superintendent,	\$3,500 00	
Engineers,	17,231 82	
Clerk-hire,	8,243 52	
Laborers,	77,552 70	
Employés, pumping system,	52,411 78	
	<u> </u>	\$158,939 82

Materials:

Brick,	\$5,719 77	
Manhole covers and iron-work,	5,581 72	
Sand and cement,	3,625 56	
Cesspool curbs and stone,	3,351 57	
Lumber,	2,857 86	
Drain-pipe,	2,634 36	
Filling,	702 48	
	<u> </u>	24,473 32

Stable:

Purchase and exchange of horses,	\$1,105 00	
Feed for and board,	8,985 54	
Shoeing and veterinary services,	3,134 16	
Wagons, sleighs, and repairs of vehicles,	2,391 80	
Harnesses and repairs,	1,577 31	
	<u> </u>	17,193 81

Fuel,

Tools and repairs, hardware, iron, and general supplies,	21,652 85	
Damages,	15,061 89	
Teaming and hire of horses,	13,344 35	
Rents,	11,513 28	
Repairs of buildings and wharves,	3,256 86	
Travelling expenses,	2,496 96	
Stationery,	2,026 50	
Oils,	1,995 04	
Rubber clothing,	1,614 04	
Repairs on sewers, etc.,	1,523 67	
Two boats and repairs of boats,	1,195 47	
Printing,	998 41	
Furniture,	791 47	
Telephone service,	701 47	
Water-rates,	544 15	
Advertising,	512 80	
Disinfectants,	310 94	
Expenses of sale of tug "Wm. Woolley,"	181 00	
Gas,	90 30	
Testing materials,	62 25	
Entertaining guests,	60 75	
Messenger service,	29 05	
	25 62	
	<u> </u>	\$280,596 07

Carried forward,\$18,832,006 01

STREET DEPARTMENT.

123

<i>Brought forward,</i>		\$18,832,006 01
STREET-CLEANING DIVISION.		
Salaries: Philip A. Jackson, Deputy Superintendent, to March 21, 1895, inclusive,	\$675 00	
Benj. M. Cram, Deputy Super- intendent, from March 22, 1895,	2,325 00	
Clerks and messengers,	4,016 72	
Employés,	212,765 45	
	<hr/>	\$219,782 17
Hired team-work,		48,929 91
Stable:		
Carts, wagons, and repairs of vehicles,	\$3,956 90	
Purchase and exchange of horses,	2,812 50	
Hay, grain, straw, and board,	8,111 09	
Shoeing, other than done by the department,	2,449 74	
Medical attendance and medicine,	1,386 57	
	<hr/>	18,916 80
Brooms, brushes, hoes, shovels, etc.,		8,521 24
Collecting house-dirt,		1,938 11
Iron, steel, tools, and general supplies,		1,436 23
Travelling expenses,		1,094 50
Repairs of stables and sheds,		993 09
Collecting house-offal,		910 66
Saddlery,		674 92
Printing,		548 06
Lumber, hubs, and spokes,		449 74
Rents,		460 00
Stationery,		313 27
Telephone service,		295 78
Paints and oils,		214 92
Repairing dumping-scow,		123 39
Towing scow,		117 00
Office expenses and small items,		83 24
Electric lighting,		70 70
Fuel,		69 18
Damages,		26 25
Freights,		15 90
Water-rates,		7 00
Gas,		6 44
		<hr/>
		\$305,998 50
WATERING DIVISION.		
Salaries: M. Edwin Libby, Deputy Superintendent, from March 22, 1895,	\$1,409 44	
Employés,	6,581 21	
	<hr/>	\$7,990 65
Hired team-work,		65,042 75
Water-posts and repairs,		989 96
Horses:		
Hay, grain, and board,	\$505 86	
Wagon, repairs of carts, etc.,	220 00	
Repairs of harness,	145 82	
Shoeing and veterinary services,	87 75	
	<hr/>	959 43
Tools and general supplies,		839 05
Telephone service,		210 50
		<hr/>
<i>Carried forward,</i>		\$76,032 34
		\$18,832,006 01

<i>Brought forward,</i>	\$76,032 34	\$18,832,006 01
Printing,	174 19	
Stationery,	143 17	
Travelling expenses,	75 00	

\$76,424 70

ABOLISHMENT OF GRADE CROSSINGS.

Continuation of payments on account of abolition of the grade crossing at West fourth street.

Installing motor,	8373 17
Repairs of building, etc.,	364 10
Use of passageway,	240 00
Electric light,	4 20

\$981 47

CHARLES-RIVER BRIDGE, DRAW REMODELING, ETC.

Contractors, J. N. Hayes & Co.,	\$4,259 51
Trucks, rails, and labor,	683 57
Inspector,	170 00
Advertising,	41 46
Cartage,	12 50
Typewriting and small items,	8 80

5,175 84

CHARLESTOWN BRIDGE.

Continuation of payments on account of new Bridge to Charlestown.

Engineering,	\$1,735 16
Travelling expenses,	439 00
Employés,	351 11
Tools, use of scow, and supplies,	213 30
Stationery and maps,	81 82
Advertising,	79 33
Typewriting,	40 50
Printing,	37 38
Engineering expenses,	16 65
Police services,	13 16
Teaming,	9 00
Amount transferred from Rapid Transit,	6,668 79

9,685 20

CHELSEA BRIDGE, NORTH, REBUILDING DRAW, ETC.

Payments on account.

Contractors, Augustus Bellevue & Co.,	\$15,898 20
Steel Draw, Penn. Bridge Co.,	6,057 46
Trucks, gears, rails, bolts, etc.,	3,121 06
Engineering,	704 00
Electric motor, etc.,	566 41
Advertising,	143 70
Inspecting and testing materials,	85 65
Raising and replacing stone,	81 00
Printing,	72 68
Teaming and small items,	8 20

26,738 36

CHELSEA-STREET BRIDGE, REBUILDING.

Continuation of payments.

Contractors, B. F. Nay & Co.,	\$4,432 93
Draw, D. H. Andrews,	8,450 00
Lumber,	499 82
Tools, machinery, etc.,	446 02

Carried forward,

\$13,828 77

\$42,580 87 \$18,832,006 01

STREET DEPARTMENT.

125

<i>Brought forward,</i>	\$18,828 77	\$42,580 87	\$18,832,006 01
Mechanics,	252 50		
Car-fares,	44 85		
Inspector,	24 50		
Printing,	3 82		
	<hr/>	14,154 44	
GOLD-STREET BRIDGE.			
<i>Payments on account.</i>			
Contractor for abutments, retaining-wall, and raising building, Frank H. Blaisdell,	\$4,415 82		
Superstructure, D. H. Andrews,	1,570 00		
Inspector,	356 00		
Advertising,	51 00		
Typewriting,	9 60		
	<hr/>	6,402 42	
FERRY-BOAT "EAST BOSTON," REMODELLING.			
<i>Balance of payments.</i>			
Contractors, D. D. Kelly & Son,	\$4,188 09		
Plans and supervision,	425 00		
Machine, labor, and stocks,	237 64		
Inspector,	148 00		
	<hr/>	4,998 73	
SOUTH DROP. SOUTH FERRY, BOSTON SIDE.			
Contractor, William McKie,	\$5,699 45		
Inspector,	521 60		
Pile-driving,	383 75		
Water and gas piping,	189 67		
Weights,	64 57		
Advertising,	21 80		
Wharfage and small items,	13 07		
	<hr/>	6,903 91	
BELLFLOWER STREET.			
Filling,	\$504 00		
Labor,	332 65		
Teaming,	39 00		
Edge-stone,	32 68		
Paving,	26 00		
	<hr/>	934 31	
BOND STREET, ASPHALTING.			
Teaming,	\$348 00		
Labor,	328 38		
Paving,	\$1,167 36		
Less charged to Street			
Improvements,			
Wards 17 and 18,	888 68		
	<hr/>	278 68	
Engineering,	70 12		
Masonry,	56 00		
Advertising,	10 00		
	<hr/>	1,091 18	
CHARTER STREET.			
Labor,	\$1,114 70		
Teaming,	922 50		
Paving blocks,	921 64		
Paving,	756 52		
Cement,	224 40		
Edgestone,	207 70		
Gravel,	185 82		
Brick,	170 10		
Engineering,	128 50		
Advertising,	54 42		
	<hr/>		
<i>Carried forward,</i>	\$4,686 30	\$77,065 86	\$18,832,006 01

<i>Brought forward,</i>	\$4,686 30	\$77,065 86	\$18,832,006 01
Masonry,	52 50		
Flagging,	52 00		
	<hr/>	4,790 80	
COMMONWEALTH AVENUE.			
<i>Continuation of payments.</i>			
Labor,	\$23,066 30		
Steel beams for bridge,	12,716 53		
Excavating, grading, and paving,	11,832 39		
Centre pier of bridge and setting parapet,	9,300 00		
Teaming,	8,943 79		
Filling,	5,480 00		
Gravel,	5,120 40		
Superstructure for northerly section of bridge,	2,686 75		
Loam,	2,044 25		
Parapet and bearing courses of bridge,	1,839 00		
Engineering,	1,140 15		
Lumber and carpentry,	1,088 73		
Paving blocks,	872 85		
Edgestone,	846 82		
Hollow brick,	500 00		
Tools, hardware, and supplies,	308 53		
Inspecting materials,	241 09		
Engineering expenses,	180 23		
Fuel,	136 23		
Advertising,	54 68		
Printing,	15 37		
	<hr/>	88,414 11	
CONGRESS AND L STREETS.			
<i>Continuation of payments.</i>			
Labor,	\$791 72		
Filling,	2,236 50		
Teaming,	547 00		
	<hr/>	3,575 22	
DARTMOUTH STREET, BOYLSTON STREET TO COMMONWEALTH AVENUE.			
Teaming,	\$293 00		
Paving,	30 00		
Advertising,	21 25		
Labor,	16 10		
	<hr/>	360 35	
HENCHMAN STREET.			
Paving blocks,	\$592 03		
Labor,	559 80		
Teaming,	308 00		
Paving,	268 45		
Cement,	98 90		
Engineering,	71 50		
Gravel,	68 40		
Edgestone,	57 04		
Brick,	56 70		
Masonry,	31 50		
Advertising,	24 00		
	<hr/>	2,136 32	
LEWIS-STREET EXTENSION, PAVING.			
Engineering,		4 50	
McLELLAN STREET, OLD ROAD TO WHITE STREET.			
Labor,	\$1,225 10		
Teaming,	18 50		
	<hr/>	1,243 60	
<i>Carried forward,</i>		\$177,590 76	\$18,832,006 01

STREET DEPARTMENT.

127

<i>Brought forward,</i>		\$177,590 76	\$18,832,006 01
MELVILLE AVENUE.			
Stone,	\$5,364 75		
Labor,	1,185 25		
Gravel,	660 00		
Excavating, etc.,	290 00		
	<hr/>	7,500 00	
PRINCE STREET, ASPHALTING.			
Paving,	\$2,024 92		
Labor,	565 65		
Teaming,	198 50		
Brick,	85 05		
Engineering,	38 25		
Masonry,	21 00		
Advertising,	17 90		
Gravel,	17 10		
Sand,	17 00		
	<hr/>	2,985 37	
SARATOGA STREET, FILLING SOLID OLD BRIDGE.			
Labor,	*	52 90	
STREET IMPROVEMENTS, ALDERMANIC DISTRICT			
No. 6.			
Stone,	\$3,548 87		
Labor,	3,116 18		
Paving,	2,164 18		
Paving-blocks,	1,929 06		
Teaming,	1,095 50		
Gravel,	833 42		
Edgestone,	510 88		
Wharfage,	137 20		
Brick,	100 34		
Engineering,	35 63		
Advertising,	9 40		
	<hr/>	13,480 66	
STREET IMPROVEMENTS, WARDS 1 AND 2.			
Labor,	\$13,025 92		
Gravel,	4,592 41		
Stone,	4,612 63		
Teaming,	2,607 00		
Paving,	2,091 05		
Filling,	1,417 90		
Paving-blocks,	1,060 20		
Advertising,	33 88		
Engineering,	23 63		
Wharfage,	10 00		
	<hr/>	29,474 62	
STREET IMPROVEMENTS, WARD 3.			
Labor,	\$2,727 49		
Paving,	2,360 14		
Gravel,	1,294 06		
Stone,	617 34		
Teaming,	484 50		
Brick,	285 00		
Engineering,	8 75		
	<hr/>	7,777 28	
STREET IMPROVEMENTS, WARD 4.			
Labor,	\$9,870 07		
Stone,	4,189 45		
Gravel,	2,533 83		
Paving,	2 105 11		
Teaming,	1,957 00		
Brick,	430 00		
	<hr/>		
<i>Carried forward,</i>	\$21,085 46	\$238,861 59	\$18,832,006 01

<i>Brought forward,</i>	\$21,085 46	\$238,861 59	\$18,832,006 01
Edgestone,	357 12		
Paving blocks,	173 47		
Lumber,	32 98		
Filling,	26 00		
Advertising,	10 50		
Oil,	4 98		
	<hr/>	21,690 51	
STREET IMPROVEMENTS, WARD 5.			
Labor,	\$4,158 90		
Paving-blocks,	2,575 71		
Paving,	1,508 87		
Stone,	1,304 14		
Teaming,	1,271 50		
Gravel,	1,148 10		
Edgestone,	737 28		
Brick,	265 00		
Advertising,	18 00		
Engineering,	5 00		
	<hr/>	12,992 50	
STREET IMPROVEMENTS, WARD 6.			
Labor,	\$916 71		
Paving-blocks,	573 27		
Teaming,	276 50		
Paving,	248 84		
Edgestone,	70 07		
Gravel,	47 31		
Sand,	18 28		
	<hr/>	2,150 98	
STREET IMPROVEMENTS, WARDS 6, 7, AND 8.			
Paving,	\$14,025 41		
Labor,	9,539 46		
Paving-blocks,	8 115 10		
Teaming,	5,847 50		
Sand and cement,	1,901 00		
Gravel,	1,045 38		
Brick,	918 93		
Edgestone,	602 09		
Flagging,	470 98		
Engineering,	315 49		
Masonry,	299 00		
Lumber,	71 97		
Advertising,	59 05		
	<hr/>	43,211 36	
STREET IMPROVEMENTS, WARDS 7 AND 8.			
Paving,	\$2,515 73		
Labor,	2 282 42		
Paving-blocks,	903 82		
Teaming,	849 50		
Engineering,	288 00		
Edgestone,	280 62		
Brick,	188 93		
Gravel,	163 00		
Advertising,	42 25		
Lumber,	20 15		
Masonry,	17 50		
	<hr/>	7,551 92	
STREET IMPROVEMENTS, WARD 9.			
Labor,	\$3,431 93		
Teaming,	1,339 75		
Paving,	190 82		
Engineering,	37 50		
	<hr/>	5,000 00	
<i>Carried forward,</i>		\$331,458 86	\$18,832,006 01

STREET DEPARTMENT.

129

<i>Brought forward,</i>		\$331,458 86	\$18,832,006 01
STREET IMPROVEMENTS, WARDS 9 AND 10.			
Paving,	\$23,220 41		
Labor,	7,670 28		
Paving-blocks,	5,218 48		
Teaming,	4,090 50		
Sand and cement,	1,381 70		
Gravel,	867 54		
Engineering,	518 25		
Brick,	399 48		
Masonry,	285 50		
Flagging,	227 40		
Edgestone,	117 47		
Advertising,	103 75		
Lumber,	49 00		
		44,149 76	
STREET IMPROVEMENTS, WARD 11.			
Teaming,	\$8,574 00		
Labor,	6,363 72		
Stone,	2,982 00		
Gravel,	2,791 69		
Paving,	2,788 73		
Masonry,	546 00		
Flagging,	813 95		
Brick,	187 70		
Sand,	183 75		
Engineering,	160 26		
Advertising,	66 33		
Paving-blocks,	21 71		
Edgestone,	17 90		
Lumber,	2 26		
		25,000 00	
STREET IMPROVEMENTS, WARD 12.			
Paving,	\$5,420 22		
Paving-blocks,	4,590 93		
Teaming,	1,891 00		
Labor,	879 00		
Sand and cement,	416 90		
Gravel,	282 72		
Flagging,	222 00		
Engineering,	209 18		
Masonry,	182 00		
Lumber,	64 08		
Advertising,	61 50		
Brick,	29 77		
		14,249 30	
STREET IMPROVEMENTS, WARD 13.			
Paving,	\$2,982 28		
Labor,	627 67		
Flagging,	185 40		
Teaming,	132 50		
Brick,	59 10		
Advertising,	43 90		
Wharfage,	31 20		
		4,062 05	
STREET IMPROVEMENTS, WARD 14.			
Labor,	\$1,258 78		
Stone,	1,242 07		
Teaming,	392 00		
Gravel,	303 70		
		3,196 55	
<i>Carried forward,</i>		\$422,116 52	\$18,832,006 01

<i>Brought forward,</i>		\$422,116 52	\$18,832,006 01
STREET IMPROVEMENTS, WARDS 14 AND 15.			
Paving-blocks,	\$6 997 19		
Labor,	4,906 91		
Stone,	3,988 12		
Teaming,	2,279 00		
Paving,	2,227 09		
Gravel,	1,303 39		
Brick,	305 36		
Cement,	276 00		
Wharfage,	160 60		
Edgestone,	125 86		
Engineering,	90 11		
Advertising,	19 50		
		22,679 13	
STREET IMPROVEMENTS, WARD 15.			
Labor,	\$1,714 42		
Stone,	990 80		
Gravel,	289 39		
Teaming,	200 00		
Paving,	39 60		
Advertising,	7 20		
		3,241 41	
STREET IMPROVEMENTS, WARD 16.			
Paving,	\$2,679 15		
Labor,	2,189 82		
Teaming,	1,878 50		
Masonry,	938 00		
Sand and cement,	786 20		
Paving blocks,	665 86		
Gravel,	440 61		
Brick,	418 16		
Flagging,	306 54		
Engineering,	62 88		
Advertising,	16 20		
		10,381 92	
STREET IMPROVEMENTS, WARDS 17 AND 18.			
Paving,	\$23,893 24		
Labor,	19,978 96		
Teaming,	10,045 00		
Gravel,	3,685 93		
Masonry,	2,485 00		
Brick,	795 46		
Stone,	362 80		
Bulkhead and fence, West Newton street,	344 00		
Edgestone,	262 26		
Flagging,	228 67		
Sand,	185 30		
Engineering,	133 24		
Paving blocks,	109 71		
Advertising,	34 00		
Lumber,	28 00		
		62,571 07	
STREET IMPROVEMENTS, WARDS 19 AND 22.			
Labor,	\$13,979 55		
Teaming,	8,248 58		
Gravel,	8,191 85		
Paving,	8,112 51		
Stone,	3,046 50		
Edgestone,	902 54		
Filling,	553 00		
<i>Carried forward,</i>	\$33,034 53	\$520,990 05	\$18,832,006 01

STREET DEPARTMENT.

131

<i>Brought forward,</i>	\$33,034 53	\$520,990 05	\$18,832,006 01
Sand,	543 60		
Masonry,	313 00		
Paving blocks,	153 75		
Advertising,	38 55		
Brick,	30 60		
Engineering,	28 75		
		34,142 78	
STREET IMPROVEMENTS, WARD 20.			
Labor,	\$7,227 43		
Teaming,	2,114 50		
Stone,	1,717 65		
Paving,	758 11		
Gravel,	567 10		
Paving blocks,	195 13		
Sand,	99 75		
Advertising,	51 90		
Flagging,	15 88		
		12,747 45	
STREET IMPROVEMENTS, WARD 21.			
Labor,	\$8,142 18		
Paving,	4,586 26		
Paving blocks,	3,858 90		
Teaming,	3,124 95		
Edgestone,	2,283 30		
Gravel,	1,803 20		
Sand and cement,	522 60		
Flagging,	317 50		
Stone,	199 58		
Brick,	132 60		
Advertising,	28 93		
		25,000 00	
STREET IMPROVEMENTS, WARD 23.			
Labor,	\$15,749 11		
Teaming,	4,104 98		
Gravel,	2,595 00		
Paving,	1,855 34		
Paving blocks,	308 55		
Edgestone,	188 07		
Flagging,	182 10		
Advertising,	11 13		
Engineering expenses,	5 72		
		25,000 00	
STREET IMPROVEMENTS, WARDS 23 AND 25.			
Labor,	\$3,955 93		
Lumber,	360 57		
Gravel,	252 88		
Teaming,	224 50		
Tools and hardware,	147 39		
Filling,	38 50		
Car-fares,	20 00		
		4,999 77	
STREET IMPROVEMENTS, WARD 24.			
Labor,	\$21,441 98		
Paving,	6,895 64		
Edgestone,	5,172 96		
Teaming,	5,030 00		
Stone,	4,273 34		
Gravel,	4,215 00		
Paving blocks,	1,534 36		
Excavating and grading for side-walks,	460 00		
<i>Carried forward,</i>	\$49,025 28	\$622,880 05	\$18,832,006 01

<i>Brought forward,</i>	\$49,025 28	\$622,880 05	\$18,832,006 01
Flagging,	389 02		
Advertising,	32 00		
Sand,	23 10		
	<hr/>	49,469 40	
STREET IMPROVEMENTS, WARD 25.			
Labor,	\$8,294 24		
Gravel,	4,341 80		
Paving,	2,418 03		
Teaming,	1,569 50		
Paving blocks,	1,316 56		
Bricks,	785 20		
Flagging,	716 28		
Edgestone,	452 38		
Sand and cement,	350 70		
Lumber,	167 00		
Filling	129 20		
Iron-work.	16 50		
Advertising,	3 50		
	<hr/>	20,590 89	
TALBOT AVENUE, DORCHESTER AVENUE, TO WASHINGTON STREET.			
Labor,	\$10,169 12		
Teaming,	2,115 70		
Stone,	1,540 00		
Edgestone,	1,498 10		
Gravel,	1,135 40		
Paving,	839 47		
Paving blocks,	315 36		
Flagging,	184 93		
Engineering,	15 25		
Sand,	13 20		
Can,	1 85		
	<hr/>	17,828 38	
WARREN STREET, ASPHALTING.			
Paving,	\$800 27		
Less charged to Street Improvements, Ward 5,	515 39		
	<hr/>	\$284 88	
Labor,	193 20		
Teaming,	85 00		
Gravel,	24 92		
Lumber,	7 00		
Engineering,	5 00		
	<hr/>	600 00	
FOREST AVENUE, SECTION, TEMPORARY SEWER OUTLET, ETC.			
Land damages,	\$1,440 00		
Labor,	843 35		
	<hr/>	2,283 35	
SEWER OUTLET (LOWER LEVEL), WEST ROXBURY DISTRICT.			
Contractors,	\$13,010 80		
Labor,	164 56		
	<hr/>	13,175 36	
SEWERS, SOUTH BOSTON.			
Labor,	\$274 94		
Brick,	89 25		
Sand and cement,	24 55		
	<hr/>	388 74	
<i>Carried forward,</i>		\$727,216 17	\$18,832,006 01

<i>Brought forward,</i>	\$727,216 17	\$18,832,006 01
STONY BROOK DAMAGES.		
Damages,	5,025 00	

\$732,241 17

RECAPITULATION.

Central Office,	\$18,315 79	
Bridge Division,	119,716 00	
Cambridge-Bridges Division,	12,537 33	
Ferry Division,	209,911 30	
<i>\$4.31 of this amount drawn for but not paid.</i>		
Paving Division,	683,899 42	
Sanitary Division,	432,778 52	
<i>\$208.33 of this amount drawn for but not paid.</i>		
Sewer Division,	280,596 07	
Street-Cleaning Division,	305,998 50	
<i>\$15 of this amount drawn for but not paid.</i>		
Watering Division,	76,424 70	
Special appropriations,	732,241 17	
		2,872,418 80

See, also, items under Street Laying-Out Department.

Street Laying-Out Department.

Payments for land damages, and other claims on account of widening and extending streets during the present financial year, including payments made this year on account of widenings and extensions made prior to the first day of February, 1895, and expenses of Street Commissioners' Department.

Land and other damages:	
Milk street,	\$29,029 06
Boylston street, West Roxbury,	5,026 99
Saratoga street,	4,760 40
Beacon street,	3,426 25
Norfolk street, Dorchester,	2,207 87
Cambridge street,	1,890 00
Rosedale street,	517 00
Howard avenue,	500 00
Salem street,	500 00
Poplar street,	466 00
Byron street,	450 00
Amory street,	146 40
Hewlett street,	100 00
Lawn street,	100 00
Hill street,	50 00

Total for damages, \$49,169 97

STREET COMMISSIONERS.

Salaries:

John P. Dore,	\$4,500 00
John H. Duane,	4,000 00
Isaac S. Burrill, to	
Sept. 13, 1895, in-	
clusive,	2,811 11
J. W. Morrison, Sec-	
retary, to July 1,	
1895,	1,500 00
J. H. Jenkins, Sec-	
retary, from July 1,	
1895,	1,500 00

Carried forward, \$14,311 11

\$49,169 97 \$21,704,424 81

<i>Brought forw'd,</i>	\$14,311 11	\$49,169 97	\$21,704,424 81
Clerk-hire and messenger,	1,120 00		
	<hr/>	\$15,431 11	
Carriage-hire and travelling expenses,	1,507 00		
<i>\$300 of this amount returned to treasury.</i>			
Printing,	1,429 71		
Services of appraisers,	1,386 25		
Advertising	1,096 46		
Alphabetically arranged list of streets with record of same,	675 00		
Stationery,	423 85		
Constables' services,	363 39		
Telephone service,	226 77		
Typewriting,	89 50		
Removing old buildings,	85 00		
Plans, etc.,	46 50		
Messenger service,	39 65		
Alterations in office and furnishing,	1,860 89		
	<hr/>	24,661 08	
Public lands:			
Expenses of sales of property,	\$1,376 57		
Sewer assessment, Hunneman street,	196 12		
Repairs and care,	67 50		
Taxes,	56 36		
	<hr/>	1,696 55	
		<hr/>	\$75,527 60
ARKLOW STREET.			
Land damages,		\$3,500 00	
		<hr/>	
BUNKER HILL STREET, BETWEEN TUFTS AND MOULTON STREETS.			
Excavating and replacing loam on square,	\$1,300 00		
Labor,	561 20		
Filling,	368 46		
Teaming,	232 00		
	<hr/>	\$2,461 66	
		<hr/>	
CHAMBERS STREET, ASHLAND STREET TO LIVINGSTON STREET.			
Land damages,		\$10,268 50	
		<hr/>	
ESSEX AND LINCOLN STREETS.			
Land damages,		\$97,265 13	
		<hr/>	
EXTENSION OF COLUMBUS AVENUE, ETC.			
Land damages,		\$276,121 00	
		<hr/>	
HAM'S-COURT EXTENSION.			
Land damages,		\$575 75	
		<hr/>	
HARRISON AVENUE, BETWEEN ESSEX AND BEACH STREETS.			
Land damages,		\$30,963 46	
		<hr/>	
HARVARD STREET.			
Land damages,		\$2,303 02	
		<hr/>	
<i>Carried forward,</i>			\$21,704,424 81

<i>Brought forward,</i>		821,704,424 81
TALBOT AVENUE.		
Land damages,		\$500 00
Labor,	87,444 75	
Teaming,	706 00	
Gravel,	475 15	
Flagging,	226 09	
Edgestone,	18 60	
	<hr/>	8,870 59
		<hr/>
		89,370 59
		<hr/>
WASHINGTON STREET, WARD 25.		
Land damages,		\$9,080 00
Labor,	\$15,745 59	
Teaming,	2,874 50	
Gravel,	1,718 70	
Paving,	1,280 21	
Brick,	811 20	
Flagging,	489 09	
Sand and cement,	253 50	
Stone,	336 00	
Lumber,	85 27	
Edgestone,	88 03	
	<hr/>	23,632 09
		<hr/>
		832,712 09
		<hr/>
RECAPITULATION.		
Street Laying-Out Department,		\$75,527 60
Arklow street,		3,500 00
Bunker Hill street, between Tufts and Moulton streets,		2,461 66
Chambers street, Ashland street to Livingston street,		10,268 50
Essex and Lincoln streets,		97,265 13
Extension of Columbus avenue, etc.,		276,121 00
Ham's court extension,		575 75
Harrison avenue, between Essex and Beach streets,		30,963 46
Harvard street,		2,303 02
Talbot avenue,		9,370 59
Washington street, Ward 25,		32,712 09
		<hr/>
		541,068 80

Surveying Department.

Department abolished July 1, 1895, by Chapter 449, Acts of 1895.

Salaries:

Pierre Humbert, Jr., surveyor, to June 10, 1895, inclusive. 81,351 21

F. O. Whitney, Acting Surveyor, from June 11 to July 1, 1895, inclusive, 200 00

Employés, 16,159 22

	<hr/>	\$17,710 43
Travelling expenses,		649 37
Horse-keeping,		372 34
Stationery and drawing materials,		245 93
Binding and materials,		178 74
Instruments and tools,		112 19
Telephone service,		60 00
Washing and small supplies,		50 66

Carried forward,

\$19,379 66 \$22,245,493 61

<i>Brought forward,</i>	\$19,379 66	\$22,245,493 61
Furniture,	28 85	
Printing,	26 83	
Books and papers,	11 10	
	<hr/>	19,446 44

Tax Titles.

Amount paid on tax titles,		18 78
----------------------------	--	-------

Temporary Loan.

Payments for amount borrowed in anticipation of the annual taxes, in conformity with an order of the City Council, approved February 6, 1895,		5,850,000 00
---	--	--------------

Treasury Department.

<i>Salaries:</i>		
Alfred T. Turner, Treasurer,	\$6,000 00	
Clerks and messenger,	28,750 83	
	<hr/>	\$34,750 83
Hire of vehicles for and car-fares of paymasters and messenger,	2,805 93	
Stationery,	311 53	
Advertising,	264 80	
Printing,	226 79	
Telephone service,	180 00	
Examination of accounts,	175 00	
Recording deeds,	5 50	
In reimbursement for amount paid by Alfred T. Turner to make good amount missed from office,	1,500 00	
	<hr/>	40,220 88

Water Department.

The Water-Supply Department and the Water Income Department, and the offices of the Boston Water Board, and the Water Commissioners and Water Registrar were abolished, and the Water Department placed in charge of one Water Commissioner, from July 1, 1895, by Chapter 449, Acts of 1895, Charles W. Smith, Commissioner, from July 1, 1895.

COCHITUATE DIVISION.

<i>Salaries:</i>		
Charles W. Smith, Commissioner, from Jan. 23, 1895, to Jan. 20, 1896, inclusive,	\$4,313 89	
John W. Leighton, Commissioner, to July 1, 1895,	1,750 00	
Walter E. Swan, Secretary,	2,900 00	
Cornelius F. Doherty, Water Registrar, to July 1, 1895,	1,800 00	
Superintendent Eastern Division,	3,401 00	
Assistants,	6,193 42	
Superintendent Western Division,	3,251 00	
Superintendent Income Division from July 1, 1895,	1,500 00	
Clerk-hire, messengers and assistants,	49,191 33	
Inspectors,	9,812 02	
Foremen,	2,320 56	
Mechanics,	49,962 09	
Laborers,	140,560 23	
	<hr/>	\$276,955 54
Altering and repairing reservoirs, buildings, and streets,	18,376 35	
Meters and repairs,	16,981 05	

Carried forward,

\$312,312 94 \$28,155,179 21

<i>Brought forward,</i>	\$312,312 94	\$28,155,179 21
Fuel,	16,108 94	
Machinery, tools, hardware, iron, steel, and other materials, for repairs and furnishing.	15,210 33	
Horses, purchase of,	\$1,506 00	
Feed and board,	6,112 42	
Wagons, sleighs, and repairs of vehicles,	3,709 63	
Shoeing and veterinary services,	2,625 52	
Harnesses and repairs,	1,208 81	
	<hr/>	15,162 38
Flexible joint-pipe laid between Moon and Long Islands,	9,907 92	
Taxes,	9,224 84	
Expert services,	5,532 18	
Transportation of employés,	6,134 46	
Castings,	5,858 92	
Furniture and alteration of offices,	4,077 85	
Printing,	3,567 50	
Cartage and freights,	3,551 49	
Stationery,	2,307 14	
Telephone service,	1,602 83	
Oils,	1,360 34	
Grounds, care, seeds, trees, and tools,	967 57	
Damages,	767 90	
Advertising,	736 48	
Board of injured man,	649 30	
Lead and lead pipe,	552 70	
Electric lighting,	523 81	
Salt hay,	511 18	
Analyses of water,	410 00	
Water-rates and small items,	392 61	
Gas,	361 88	
Rents,	292 67	
Waterproof clothing,	158 78	
Blasting trenches,	58 55	
Sewer assessment, Brook street,	18 90	
Travelling expenses of Commission,	2,589 70	
	<hr/>	\$420,907 09
Refunded water-rates,	2,287 22	
Sinking-fund payment,	205,791 00	
Interest on loans, including the exchange on London, where part of the interest is payable,	861,128 07	
	<hr/>	\$1,490,113 38
MYSTIC DIVISION.		
Salaries:		
Thomas F. Doherty, Commissioner, Chairman of Board, to July 1, 1895,	\$1,730 73	
Jeremiah J. McCarthy, Assistant Commissioner, from July 1, 1895,	1,750 00	
Clerk-hire,	15,931 20	
Superintendent,	2,250 00	
Asst. superintendent,	1,400 00	
Engineer and assistant,	2,120 52	
Inspectors,	1,077 42	
Laborers,	68,506 61	
	<hr/>	\$94,766 48
Engine No. 4,	41,308 73	
Fuel,	13,713 39	
Hardware, tools, and general supplies,	9,174 97	
Addition to Pumping-Station, on account,	7,917 91	
	<hr/>	\$166,881 48
<i>Carried forward,</i>	\$166,881 48	\$28,155,179 21

<i>Brought forward,</i>		\$166,881 48	\$28,155,179 21
Repairs of buildings, engines, pumps, grounds, and pipes,		4,882 46	
Transportation,		3,820 32	
Castings,		3,157 22	
Alum cake,		2,142 75	
Horses:			
Feed for,	\$714 24		
Shoeing and veterinary services,	507 95		
Wagon and repairs of vehicles,	436 07		
Harnesses and repairs,	255 66		
		1,913 92	
Plans and inspection of engine,		1,194 08	
Oils,		868 43	
Lead and lead pipe,		760 58	
Cartage and freights,		672 82	
Printing,		573 69	
Stationery,		461 59	
Telephone service,		406 82	
Meters and repairs,		311 10	
City Architect's assistants,		182 56	
Advertising,		158 91	
Analyses of water,		125 00	
Taxes,		115 58	
Valuations of Somerville and Chelsea,		105 00	
Rent,		100 00	
Gas,		29 40	
Travelling expenses of Commissioners,		330 90	
		\$189,194 61	
Refunded water-rates,		185 63	
Proportion of water-rates, paid under contracts,		163,605 01	
Sinking-fund payment,		65,000 00	
Interest on loans,		2,149 44	
		\$420,134 69	
ADDITIONAL SUPPLY OF WATER.			
<i>Continuation of payments on account of the construction of the Sudbury-river scheme of works.</i>			
General:			
Land,	\$308,609 45		
Expenses in settlements of suits, etc.,	9,494 23		
Town of Southborough, services of police,	8,466 25		
Travelling expenses,	2,650 54		
Resident engineer,	1,249 93		
Advertising,	944 37		
Visit of City Government to line of works, Oct. 9, 1895,	565 85		
Printing,	326 76		
Telephone service,	221 14		
Stationery,	213 90		
Superintendent,	100 00		
Damages for flowage of land,	100 00		
		\$332,942 42	
Basin V.			
Contractors for excavating, etc.			
Shallow flowage and building roads,	\$169,581 23		
Labor,	17,704 70		
Filter beds,	10 706 75		
Fences for roads,	4,129 44		
<i>Carried forward,</i>	\$202,122 12	\$332,942 42	\$28,155,179 21

<i>Brought forward,</i>	\$202,123 12	\$332,942 42	\$28,155,179 21
Sanitary inspection, etc.,	779 63		
Stone posts and masonry,	688 77		
Teaming and freights,	644 16		
Tools, hardware, and supplies,	470 01		
Lumber,	419 98		
Horse and keeping,	295 22		
Rent,	205 50		
Moving house,	200 00		
Lime,	92 42		
Water-proof clothing,	51 32		
Fuel,	46 25		
		206,010 88	
Dam V.			
Building dam, Moulton & O'Mahoney,	\$157,827 01		
Labor,	9,100 94		
Tools, hardware, and supplies,	428 97		
Masonry,	388 34		
Moving house,	200 00		
Horse-keeping,	154 46		
Fuel,	80 00		
City Architect's assistants,	50 00		
Lime,	16 00		
Teaming and freights,	14 71		
Lumber,	14 27		
		168,274 70	
Basin VI.			
Labor,	\$11,622 14		
Moving house,	800 00		
Freight,	12 00		
		12,434 14	
Dam VI.			
Labor,	\$1,312 99		
Drain-pipe,	935 91		
Stone-work,	654 06		
Board of injured man,	142 86		
Plants and planting,	120 72		
Tools and supplies,	93 91		
Teaming and freights,	90 65		
Horse-keeping,	64 27		
Cement,	36 00		
Fuel,	12 00		
Lumber,	6 50		
		3,459 87	
Protection of Supply :			
Town of Framingham, sewerage system,	\$31,000 00		
Less charged to appropriation for protection of water-supply,	30,000 00		
	\$1,000 00		
Labor,	281 43		
Teaming and freights,	36 80		
Tools, hardware, and supplies,	21 97		
Rent,	6 25		
		1,346 45	
Cedar Swamp :			
Labor,	\$438 75		
Tools,	12 87		
Teaming,	11 70		
		463 32	
<i>Carried forward,</i>		\$724,931 28	\$28,155,179 21

<i>Brought forward,</i>		\$724,981 28	\$28,155,179 21
Whitehall Pond:			
Labor,	\$239 10		
Lumber and carpentry,	35 86		
Teaming,	2 75		
		277 71	
High Service and New Mains:			
Castings,	\$171,821 80		
Labor,	74,618 70		
Laying new mains in town of Brookline and in Huntington avenue and Newbury street,	36,542 79		
Pumping-engine, N. F. Palmer, Jr., & Co.,	22,414 24		
Flexible joint pipe between Long, Gallops, and Rainsford Islands,	20,471 46		
Tools, hardware, stop-cocks, and general supplies,	10,694 34		
Lead and lead pipe,	8,808 97		
Teaming and freights,	8,777 86		
Fittings for boiler, etc.,	5,762 57		
Plans and inspection of engine, Town of Brookline, changing location of water-pipes, etc., on account of new main,	4,431 69		
Lumber,	8,650 55		
Blasting trenches,	2,695 46		
Sewer in Brookline,	2,560 13		
Electrical apparatus,	2,152 84		
Changing location of gas-pipes,	1,435 06		
Masonry,	1,189 39		
Inspector of castings at foundry,	1,138 46		
Cement and sand,	1,012 50		
Two horses and keeping,	819 10		
Filling,	406 25		
Unloading, carting boiler, etc.,	394 16		
Paving,	892 50		
Brick,	177 17		
Drain-pipe,	175 68		
Fuel,	81 53		
Advertising,	60 03		
Painting,	55 78		
Referee,	30 00		
Use of tow-boat,	30 00		
		382,819 01	
		<u>\$1,108,028 00</u>	
EXTENSION OF MAINS, ETC.			
Labor,	\$118,126 66		
Castings, pipes, gates, and hydrant frames,	79,174 12		
Lead and lead pipe,	17,864 43		
Blasting trenches,	7,607 03		
Teaming and freights,	7,187 59		
Tools, hardware, and supplies,	6,768 43		
Travelling expenses,	4,515 00		
Lumber,	3,798 32		
Repairs,	3,664 91		
Inspector of castings at foundry,	1,756 65		
Laying flexible joint-pipe between Moon and Long Islands,	850 00		
Fuel,	436 25		
<i>Carried forward,</i>		\$251,749 89	\$28,155,179 21

<i>Brought forward,</i>	\$251,749 39	\$28,155,179 21
Oil,	155 79	
Advertising,	46 88	
Printing and stationery,	32 88	

\$251,984 94

PROTECTION OF WATER SUPPLY.

Town of Framingham, system of sewage disposal,	\$31,000 00
Less amount charged to Additional Supply of Water,	1,000 00

\$30,000 00

MYSTIC WATER-WORKS, LAND, ETC.

Land in Winchester,	\$60,531 25
F. C. Manchester, professional services,	450 00

\$60,981 25

RECAPITULATION.

Water-Works, Cochituate Division,	\$1,490,113 38
<i>\$12.50 of this amount drawn for but not paid.</i>	
Water-Works, Mystic Division,	420,134 69
Additional Supply of Water,	1,108,028 00
<i>\$12 of this amount drawn for but not paid.</i>	
Extension of mains, etc.,	251,984 94
Protection of Water Supply,	30,000 00
Mystic Water-Works, land, etc.,	60,981 25

3,361,242 26

Wire Department.**Salaries:**

Commissioner, John R. Murphy,	\$5,000 00
Employés,	32,706 52

\$37,706 52

Instruments, tools, etc.,	872 81
Printing,	737 63
Horse-keeping, shoeing, etc.,	643 49
Stationery,	480 37
Travelling expenses,	477 59
Telephone service,	251 80
Expert services,	195 00
Repairs,	156 53
Plans, maps, etc.,	148 50
Advertising,	41 45

41,711 69

Total payments on account of city, \$31,558,133 16

Gross expenditures, \$31,558,133 16

Less payments on the following accounts:

Debt payments,	\$446,394 88
Temporary loan,	5,830,000 00
Bank-tax to State,	588,907 77
Premium on loans,	436,212 50

Cochituate Water Revenue paid

Board of Commissioners of Sinking-Funds,	205,791 00
Betterments, etc.,	176,704 87

Proportions of Mystic water-rates paid Chelsea, Somerville, and Everett,	163,605 01
--	------------

Carried forward, \$7,867,616 03 \$31,558,133 16

CITY PAYMENTS.

<i>Brought forward,</i>	\$7,867,616 03	\$31,558,133 16
Mystic Water Revenue paid		
Board of Commissioners of		
Sinking-Funds,	65,000 00	
Trust-funds, etc., Investment of,	9,200 00	
Pay-roll tailings,	4,713 38	
Old claims,	3,042 72	
Debt due, outstanding,	3,000 00	
Corporation Tax to State,	2,848 24	
Damages by dogs, etc.,	2,342 25	
Refunded Cochituate water-		
rates,	2,287 22	
Refunds,	2,102 43	
Residue of tax-sales,	1,853 37	
Refunded Liquor License,	300 00	
Refunded Mystic water-rates,	185 63	
Tax titles,	18 78	
	<hr/>	7,964,510 05

Real expenditures on account of the City of
 Boston, for the year ending January 31,
 1896, including State Tax and License
 Revenue paid the State, \$23,593,623 11

JAMES H. DODGE,
City Auditor.

COUNTY OF SUFFOLK.

INCOME.

[The County of Suffolk comprises the cities of Boston and Chelsea, the towns of Revere and Winthrop. The City of Boston receives all the County income, pays all the County expenses, and owns all the County buildings.]

STATEMENT OF THE RECEIPTS ON ACCOUNT OF THE COUNTY OF SUFFOLK DURING THE FINANCIAL YEAR,

1895-96.

Commencing with the first day of February, 1895, and ending with the last day of January, 1896.

SUPREME JUDICIAL COURT.		
From the Clerk, fees received by him,		\$3,829 00
SUPERIOR COURT, CIVIL SESSION.		
Fees received by Clerk,		19,456 27
SUPERIOR COURT, CRIMINAL SESSION.		
From Clerk, fees collected by him,	\$142 05	
Sheriff, fines and costs,	27,359 54	
Superintendent of House of Industry, for fines and costs,	215 00	
Master of House of Correction, for fines and costs,	665 50	
Forfeited recognizance,	500 00	
		<hr/> 28,882 09
JAIL.		
From the United States, for board of prisoners and wit- nesses, and for fees in poor debtors' cases,	\$701 70	
Sale of old material,	124 10	
		<hr/> 825 80
MUNICIPAL COURT, CIVIL SESSION.		
From the Clerk, fees received by him,		18,361 55
MUNICIPAL COURT, CRIMINAL SESSION.		
From Clerk, for fines, costs, and fees,	\$40,849 60	
Sheriff, for fines and costs,	4,017 60	
Superintendent of House of Industry, for fines and costs,	8,605 00	
Master of House of Correction, for fines and costs,	650 00	
Forfeited recognizance,	698 00	
		<hr/> 49,820 20
MUNICIPAL COURT, CHARLESTOWN DISTRICT.		
From Clerk, for fines and costs,	\$1,296 02	
Superintendent of House of Industry, for fines and costs,	740 00	
		<hr/> 5,036 02
EAST BOSTON DISTRICT COURT.		
From Clerk, for fines and costs,	\$3,063 57	
Supt. of House of Industry, for fines and costs,	445 00	
		<hr/> 3,508 57
<i>Carried forward,</i>		<hr/> \$129,719 50

<i>Brought forward,</i>		\$129,719 50
MUNICIPAL COURT, SOUTH BOSTON.		
From Clerk, for fines and costs,	\$4,960 50	
Supt. of House of Industry, for fines and costs,	1,151 00	
	<hr/>	6,111 50
MUNICIPAL COURT, DORCHESTER DISTRICT.		
From Clerk, for fines and costs,	\$2,812 00	
Supt. of House of Industry, for fines and costs,	590 00	
Master of House of Correction for fines and costs,	1 20	
	<hr/>	3,403 20
MUNICIPAL COURT, ROXBURY DISTRICT.		
From Clerk, fines and cost,	\$9,616 37	
Supt. of House of Industry, for fines and costs,	2,578 04	
Master of House of Correction, for fines and costs,	30 00	
	<hr/>	12,224 41
MUNICIPAL COURT, WEST ROXBURY DISTRICT.		
From Clerk, for fines and costs,	\$2,020 06	
Supt. of House of Industry, for fines and costs,	42 00	
	<hr/>	2,062 06
MUNICIPAL COURT, BRIGHTON DISTRICT.		
From Clerk, fines and costs,	\$1,350 54	
Supt. of House of Industry, for fines and costs,	185 00	
	<hr/>	1,535 54
POLICE COURT, CHELSEA.		
From Clerk, fines and costs,	\$302 00	
Master of House of Correction, for fines and costs,	338 00	
	<hr/>	640 00
MEDICAL EXAMINATIONS.		
Sale of buggy,		18 00
FIRE MARSHAL.		
From Commonwealth of Massachusetts, in reimbursement of salary and expenses, Chap. 231, Acts 1887,		5,963 98
REGISTRY OF DEEDS.		
Fees for recording deeds, etc., from Oct. 1, 1895,		7,414 50
MISCELLANEOUS.		
From pedlars, for licenses,	\$468 00	
Sale of gaming fixtures,	437 87	
Naturalization fees,	116 00	
	<hr/>	1,021 87
HOUSE OF CORRECTION.		
Labor of prisoners, etc.,		21,796 61
PAY-ROLL TAILINGS.		
Amounts drawn to pay jurors, and the parties not appearing, or the money being held by trustee process, returned to the treasury,		634 52
		<hr/>
		<u>\$192,545 69</u>

JAMES H. DODGE,
Auditor of the County of Suffolk.

COUNTY OF SUFFOLK.

PAYMENTS.

The accounts for salaries and expenses of the County of Suffolk are examined, audited, and allowed for payment by the City Auditor, who is Auditor of the County of Suffolk by Chap. 23, Sec. 34, of the Public Statutes.

COUNTY BUILDINGS.

Court-House: Engineer, firemen, janitors, etc.,	\$23,368 49	
Furniture,	6,642 95	
Repairs,	6,186 45	
Electric lighting,	5,665 98	
Fuel,	5,240 06	
Cleaning, washing towels, and small supplies,	1,306 70	
Water-rates,	1,236 00	
Grading grounds,	1,146 83	
Gas,	931 41	
Teaming ashes and dirt,	197 85	
Printing and stationery,	88 20	
		\$51,960 92

Janitors:		
Municipal Court, Charlestown District,	\$600 00	
East Boston District Court,	645 00	
Municipal Court, South Boston District,	608 00	
Municipal Court, Dorchester District,	624 50	
Municipal Court, Roxbury Dis- trict,	609 76	
Municipal Court, West Rox- bury District,	332 00	
Municipal Court, Brighton Dis- trict,	484 00	
		3,903 26

Furniture and supplies:		
Municipal Court, Charlestown District,	\$850 90	
East Boston District Court,	47 25	
Municipal Court, South Bos- ton District,	322 92	
Municipal Court, Dorchester District,	161 36	
Municipal Court, Roxbury District,	501 74	
Municipal Court, West Rox- bury District,	16 67	
Municipal Court, Brighton District,	58 60	
Store-room,	1,024 72	
		2,984 16

Carried forward,

\$58,848 34

<i>Brought forward,</i>		\$58,848 34	
Repairs :			
Municipal Court, Charlestown District,	\$230 47		
East Boston District Court,	271 11		
Municipal Court, South Boston District,	353 82		
Municipal Court, Dorchester District,	40 12		
Municipal Court, Roxbury District,	487 09		
Municipal Court, West Roxbury District,	76 51		
Municipal Court, Brighton District,	224 14		
	<hr/>	1,683 26	
Fuel :			
Municipal Court, Charlestown District,	\$102 10		
East Boston District Court,	31 50		
Municipal Court, South Boston District,	108 84		
Municipal Court, Dorchester District,	97 85		
Municipal Court, Roxbury District,	156 20		
	<hr/>	496 49	
Gas :			
East Boston District Court,	\$21 74		
Municipal Court, South Boston District,	13 43		
Municipal Court, Dorchester District,	3 15		
Municipal Court, Roxbury District,	28 21		
Municipal Court, West Roxbury District,	5 70		
Municipal Court, Brighton District,	25		
	<hr/>	72 48	
Cartage,		163 15	
Water-rates,		78 50	
Printing and stationery,		17 59	
		<hr/>	\$61,359 81
JAIL :			
Salaries, John B. O'Brien, jailer,	\$1,000 00		
Turnkey, watchmen, and matron,	18,613 42		
	<hr/>	\$19,615 42	
Subsistence supplies,		10,742 36	
Repairs and alterations,		10,414 44	
Fuel,		1,776 00	
Clothing and bedding,		1,332 85	
Furniture and furnishing,		697 38	
Wagon, feed for and shoeing horses, and repairs of vehicles and harnesses,		686 63	
Water-rates,		369 60	
Medicines,		346 00	
Gas,		358 38	
Electric lighting,		249 75	
Soap,		161 56	
Telephone service,		156 30	
Stationery and printing,		113 16	
		<hr/>	
<i>Carried forward,</i>		\$47,019 83	\$61,359 81

COUNTY OF SUFFOLK PAYMENTS.

147

<i>Brought forward,</i>	\$47,019 83	\$61,359 81
Watering street,	100 00	
Grounds,	69 65	
Teaming ashes,	63 00	
Ice,	51 56	
Gratuities,	12 00	
	<hr/>	47,316 04
SUPREME JUDICIAL COURT.		
John Noble, clerk,	\$5,000 00	
Clarence H. Cooper, assistant clerk,	2,500 00	
Clerk-hire,	4,120 00	
Deputy-sheriffs and officers in attendance,	\$6,496 39	
Uniforms,	600 00	
	<hr/>	7,096 39
Messenger,	1,300 00	
Jurors' fees,	1,383 64	
Auditors and masters,	3,018 54	
Stationery, postage, etc.,	744 72	
Printing,	151 25	
Service of venire, etc.,	56 00	
Refreshments for jurors,	48 00	
Services of clergymen at opening of court,	10 00	
	<hr/>	25,378 54
SUPERIOR COURT, CIVIL SESSION.		
Joseph A. Willard, clerk,	\$6,500 00	
Edward A. Willard, assistant clerk,	3,000 00	
Theodore M. Osborne, assistant clerk,	2,865 28	
Henry E. Bellew, assistant clerk,	2,500 00	
Francis P. Ewing, "	2,500 00	
Charles W. Spencer, "	2,500 00	
Wellington Wells, "	2,372 41	
George E. Kimball, "	1,395 83	
Clerk-hire,	12,833 00	
Stenographers,	12,323 28	
Officers in attendance, salaries,	\$35,654 69	
Uniforms,	2,200 00	
	<hr/>	37,884 69
Extra officers in attendance,	1,380 00	
Messenger,	1,700 00	
• Jurors' fees,	64,189 02	
Auditors and referees,	11,444 50	
Printing,	4,313 95	
Stationery,	2,997 27	
Refreshments for jurors,	1,638 00	
Extra stenographers, copies, etc.,	954 65	
Service of venire,	465 00	
Expenses in cases of disbarment,	117 88	
Care and correcting proof-sheets Mass. Reports,	57 00	
Services of clergymen at opening of court and small items,	37 65	
	<hr/>	175,969 41
SUPERIOR COURT, CRIMINAL SESSION.		
John P. Manning, clerk,	\$6,000 00	
Jurors' fees,	20,662 48	
Witnesses, fees,	20,996 35	
Officers in attendance, salaries,	\$10,200 00	
Uniforms,	600 00	
	<hr/>	10,800 00
Clerk-hire,	8,460 00	
Extra officers in attendance in court,	3,480 00	
Travelling and other expenses of officers,	2,721 17	
	<hr/>	
<i>Carried forward,</i>	\$73,120 00	\$310,023 80

<i>Brought forward,</i>	\$73,120 00	\$310,023 80
Expert witnesses,	6,048 54	
Phonographic reports,	2,910 07	
Refreshments for jurors and prisoners,	1,290 86	
Rent of office, for the District Attorney and his two assistants,	1,200 00	
Services and expenses of counsel in capital cases,	1,704 87	
Printing,	1,312 60	
Stationery,	793 84	
Service of venires,	341 57	
Deputy sheriffs, service of civil processes,	337 25	
Plans and copies,	295 78	
	<hr/>	89,355 18

PROBATE COURT AND OFFICE.

Clerical services,	\$10,320 73	
Printing,	7,602 06	
Consolidating indexes,	1,329 00	
Stationery,	1,449 79	
Officer in attendance in court,	1,500 00	
Messenger,	1,200 00	
Auditors,	1,279 50	
Copying old records,	590 00	
Telephone service,	8 90	
	<hr/>	25,274 98

MUNICIPAL COURTS.

Justices : W. E. Parmenter,	\$4,300 00	
William J. Forsaith,	4,000 00	
John H. Hardy,	4,000 00	
Frederick D. Ely,	4,000 00	
John H. Burke,	4,000 00	
John F. Brown,	4,000 00	
Special Justice, George Z. Adams,	270 00	
	<hr/>	24,570 00

MUNICIPAL COURT, CIVIL SESSION.

Orsino G. Sleeper, clerk,	\$3,000 00	
Assistant clerks,	6,000 00	
Copyists,	3,286 67	
Two constables,	2,400 00	
Messenger,	725 00	
Printing,	843 25	
Stationery,	632 80	
	<hr/>	16,887 72

MUNICIPAL COURT, CRIMINAL SESSION.

Frederic C. Ingalls, clerk,	\$3,000 00	
Clerk-hire,	11,000 00	
Six constables,	9,000 00	
Probation officers,	12,500 00	
Drivers of prison wagons, keeping horses, repairs, etc.,	3,769 22	
Witnesses' fees,	10,303 00	
Officers' expenses,	1,053 71	
Printing,	1,469 00	
Stationery,	424 57	
Transportation,	526 00	
Expenses in cases of neglected children,	248 95	
Expenses of Probation Officers,	227 36	
Stenographic reports of inquests, and small items,	17 50	
	<hr/>	53,539 31

Carried forward,

\$519,650 99

<i>Brought forward,</i>		\$519,650 99
MUNICIPAL COURT, CHARLESTOWN DISTRICT.		
Henry W. Brazg, Justice,	\$2,200 00	
J. H. Cotton, Special Justice,	172 56	
Simon Davis, Special Justice,	43 14	
William J. Hatton, clerk,	1,300 00	
Joseph J. Corbett, clerk, <i>pro tem.</i> ,	127 20	
Clerk-hire,	500 00	
Nath'l Leonard, probation officer,	1,200 00	
Two constables,	2,000 00	
Witnesses' fees,	616 15	
Transportation of prisoners,	542 75	
Printing,	167 75	
Stationery,	115 60	
Officers' expenses,	84 25	
Inquest,	10 50	
	<hr/>	9,079 90
EAST BOSTON DISTRICT COURT.		
W. H. H. Emmons, Justice,	\$2,200 00	
Albert E. Clary, Special Justice,	107 70	
James L. Walsh, Special Justice,	107 70	
Willard S. Allen, clerk,	1,400 00	
Moses P. Brown, clerk, <i>pro tem.</i> ,	118 82	
Calvin A. Littlefield, probation officer,	1,000 00	
Moses P. Brown, probation officer, <i>pro tem.</i> ,	45 78	
Constable,	1,100 00	
Witnesses' fees,	468 82	
Transportation of prisoners,	610 00	
Printing,	91 95	
Officers' expenses,	60 85	
Stationery,	53 74	
Ice,	18 90	
	<hr/>	7,384 26
MUNICIPAL COURT, SOUTH BOSTON.		
J. D. Fallon, Justice,	\$2,500 00	
Charles J. Noyes, Special Justice,	220 59	
Frank J. Tuttle, clerk,	1,400 00	
Ralph W. Glog, clerk, <i>pro tem.</i> ,	86 93	
Adrian B. Smith, assistant clerk,	800 00	
George N. Parker, probation officer,	1,800 00	
W. L. Drohan, probation officer, <i>pro tem.</i> ,	58 80	
Two constables,	2,200 00	
Witnesses' fees,	806 70	
Horse-keeping,	918 25	
Printing,	175 95	
Officers' expenses,	832 36	
Stationery,	82 18	
Ice and small items,	34 35	
	<hr/>	11,416 11
MUNICIPAL COURT, DORCHESTER DISTRICT.		
J. R. Churchill, Justice,	\$1,600 00	
Geo. M. Reed, Special Justice,	104 40	
N. T. Merritt, Jr., clerk,	1,000 00	
W. F. Merritt, clerk, <i>pro tem.</i> ,	98 04	
Alvin I. Phillips, probation officer,	800 00	
Constable,	800 00	
Conveying prisoners,	486 00	
Stationery,	63 70	
Printing,	12 37	
Inquest,	10 00	
	<hr/>	4,974 51
<i>Carried forward,</i>		\$552,505 77

<i>Brought forward,</i>		\$552,505 77
MUNICIPAL COURT, ROXBURY DISTRICT.		
S. A. Bolster, Justice,	\$2,500 00	
Walter S. Frost, Special Justice,	196 08	
T. F. McDonough, Special Justice,	106 21	
Maurice J. O'Connell, clerk,	1,500 00	
Fred. E. Cruft, assistant clerk,	1,000 00	
Alfred Williams, probation officer, to July 24, 1895, inclusive,	680 00	
W. A. Blossom, acting probation officer, July 16 to 31, inclusive,	54 88	
W. A. Blossom, probation officer, from Aug. 1, 1895,	625 00	
Two constables,	2,400 00	
Conveying prisoners,	1,754 00	
Printing,	320 54	
Stationery,	203 60	
Ice,	22 50	
Inquest,	10 00	
		11,372 81
MUNICIPAL COURT, WEST ROXBURY DISTRICT.		
J. M. F. Howard, Justice,	\$1,600 00	
G. R. Fowler, Special Justice,	67 86	
Henry Austin, Special Justice,	56 98	
George M. Reed, Special Justice,	5 22	
Edward W. Brewer, clerk,	1,000 00	
Geo. M. Hobbs, clerk, <i>pro tem.</i> ,	71 72	
C. H. D. Stockbridge, clerk, <i>pro tem.</i> ,	16 30	
C. H. D. Stockbridge, probation officer,	900 00	
Edward W. Brewer, probation officer, <i>pro tem.</i> ,	35 23	
Constable,	1,000 00	
Witnesses' fees,	496 80	
Conveying prisoners,	301 00	
Printing,	74 46	
Stationery,	69 30	
Officers' expenses,	33 76	
Ice and small items,	11 60	
		5,740 23
MUNICIPAL COURT, BRIGHTON DISTRICT.		
Henry Baldwin, Justice,	\$1,600 00	
Charles A. Barnard, Special Justice,	156 90	
Henry P. Kennedy, clerk,	900 00	
Albert E. Macdonald, clerk, <i>pro tem.</i> ,	88 20	
Henry P. Kennedy, probation officer,	800 00	
Constable,	1,000 00	
Witnesses' fees,	363 90	
Conveying prisoners,	326 00	
Printing,	133 99	
Stationery,	83 67	
Officers' expenses,	58 80	
Food for prisoners,	8 35	
		5,519 81
POLICE COURT, CHELSEA.		
Albert D. Bosson, Justice,	\$1,800 00	
W. H. Hart, Special Justice,	152 88	
F. E. Fitz, Special Justice,	111 72	
Joseph M. Curley, clerk,	1,200 00	
Eben Hutchinson, Jr., clerk, <i>pro tem.</i> ,	117 60	
Eben Hutchinson, Jr., probation officer,	1,000 00	
Joseph M. Curley, probation officer, <i>pro tem.</i> ,	45 64	
Care of court-room,	300 00	
Wm. H. Colcord, issuing warrants, Revere,	71 00	
<i>Carried forward,</i>	\$4,798 84	\$575,138 62

<i>Brought forward,</i>		\$4,798 84	\$575,138 62
Expenses, paid City of Chelsea,		1,090 00	
Expenses, paid Town of Revere,		100 50	
Witnesses' fees,		1,121 05	
Constable services,		300 00	
Furnishings and repairs,		216 88	
Stationery,		182 52	
Printing,		121 45	
Officers' expenses,		101 75	
Fuel,		42 55	
Inquests,		40 00	
Gas,		18 05	
Ice,		6 00	
		<hr/>	8,139 59
INSANITY CASES.			
Hearing cases and committing insane persons,			
John W. McKim, Judge of Probate,		\$705 00	
Robert Grant, Judge of Probate,		795 00	
Justices of District and Police Courts,		356 00	
Acting Judges of Probate,		153 00	
Daniel F. Breen, officer in charge of transportation of insane,		1,200 00	
Officers' fees and travelling expenses in committing,		6,397 98	
Physicians,	\$6,432 00		
Witnesses,	316 20		
	<hr/>	6,748 20	
		<hr/>	16,355 18
MEDICAL EXAMINATIONS.			
Northern District:			
Examiner, F. A. Harris,	\$4,000 00		
Buggy, sleigh, harness, and horse-keeping,	1,454 09		
Witnesses' fees,	479 00		
Removal and recovery of bodies,	323 00		
Telephone service,	294 50		
Chemists,	85 00		
Police-officers' expenses,	51 40		
Printing,	12 33		
Clerks' fees,	10 00		
Photographs,	6 25		
	<hr/>	\$6,715 57	
Southern District:			
Examiner, F. W. Draper,	\$4,000 00		
Carriage-hire and travelling expenses,	869 00		
Removal and recovery of bodies,	354 50		
Witnesses' fees,	295 00		
Telephone service,	156 00		
Chemists,	70 00		
Police-officers' expenses,	21 60		
Stationery and printing,	19 80		
	<hr/>	5,285 90	
Associate examiner, George Stedman,	\$666 00		
Witnesses' fees,	237 00		
Carriage-hire and travelling expenses,	229 36		
Telephone service,	187 00		
Removal and recovery of bodies,	124 00		
Clerks' fees,	68 00		
Chemists,	50 00		
	<hr/>		
<i>Carried forward,</i>	\$1,561 36	\$12,001 47	\$599,633 39

<i>Brought forward,</i>	\$1,561 36	\$12,001 47	\$599,633 39
Police-officers' expenses,	27 95		
Printing,	16 41		
	<hr/>	1,605 72	
		<hr/>	13,607 19
REGISTRY OF DEEDS.			
Thomas F. Temple, Register, salary, from			
Oct. 1, 1895,	\$1,375 00		
Charles W. Kimball, Assistant,			
Register, salary, from Oct. 1, 1895,	750 00		
Clerk-hire from Oct. 1, 1895,	4,427 91		
	<hr/>	\$6,552 91	
Thomas F. Temple, consolidated index of 1894,		6,000 00	
Stationery,		2,852 97	
H. W. Wilson, copying plans,		1,526 00	
Volume VII., Suffolk Deeds,		1,326 38	
Binding,		875 00	
Telephone service,		194 80	
		<hr/>	19,327 56
MISCELLANEOUS EXPENSES.			
William P. Upham, services			
of self and assistants, ar-			
ranging early court files,	\$4,382 50		
John Noble, services,	500 00		
Materials,	341 70		
	<hr/>	\$5,224 20	
Treasury Department: Paymaster,	\$3,600 00		
Clerk-hire,	800 00		
Printing and stationery	28 17		
Telephone service,	7 88		
	<hr/>	4,436 05	
Sheriff, John B. O'Brien,		3,000 00	
Annual payment to the Social Law Library,			
under the provisions of Sect. 6, Chap. 40,			
Public Statutes, and Chap. 246, Acts of 1882,		1,000 00	
Auditing Dept.: Clerk-hire,	\$800 00		
Stationery and printing,	101 18		
	<hr/>	901 18	
Collecting Department: Clerk-hire,		400 00	
Ice furnished Fire Marshal,		5 42	
		<hr/>	14,966 85
			<hr/>
			\$647,534 99
COUNTY DEBT.			
Debt paid during the year,		\$17,000 00	
Sinking-fund requirements,		49,715 00	
		<hr/>	66,715 00
COUNTY INTEREST.			
Interest paid on County Debt,			131,810 00
COUNTY FINES, ETC.			
Amounts paid to complainants,		\$370 90	
Bail refunded,		75 00	
Bounty for killing seals,		42 00	
		<hr/>	487 90
PAY-ROLL TAILINGS,			264 12
OLD CLAIMS,			8 40
HOUSE OF CORRECTION, at South Boston :			
Salaries :			
John C. Whiton, Master,	\$2,500 00		
All other employes,	25,718 81		
	<hr/>	\$28,218 81	
<i>Carried forward,</i>		828,218 81	8846,820 41

<i>Brought forward,</i>	\$28,218 81	\$846,820 41
Subsistence supplies for officers and inmates,	34,359 28	
Clothing and bedding, including materials for making the same for inmates,	\$8,055 83	
Repairs of sewing-machines, trimmings, and materials used in manufacturing sale goods,	1,911 00	
	<hr/>	
Fuel and gas coal,	9,966 83	
Repairs and alterations,	7,171 14	
Furniture and furnishing,	4,216 21	
Carriage, feed, shoeing horses, repairs of harnesses, agricultural implements and seeds,	2,450 22	
Tobacco,	1,411 15	
Religious services, *	1,858 64	
Soap and soap stock,	1,156 07	
Gratuities,	1,138 68	
Medicines and surgical instruments,	700 45	
Liquors,	\$505 47	
	76 48	
	<hr/>	
Ice,	581 95	
Telephone service,	546 54	
Entertainments for inmates,	232 41	
Postage,	160 00	
Insurance,	146 00	
Stationery,	135 00	
Water-rates,	132 86	
Cartage and freights,	120 60	
Books, papers, and small items,	114 80	
Printing,	108 50	
Oils,	88 75	
Advertising,	78 99	
Gas,	52 51	
Car-fares,	25 40	
Carriage-hire,	23 00	
	17 00	
	<hr/>	
		94,711 79
		<hr/>
Total payments on account of County,		\$941,532.20
<i>\$87.49 of this amount drawn for but not paid.</i>		
Gross expenditures on County account,	\$941,532 20	
Less payments on the following accounts :		
Pay-roll tailings,	\$264 12	
Bail refunded,	75 00	
Old claims,	8 40	
	<hr/>	
		347 52
	<hr/>	
Real expenditures on account of the County of Suffolk for the financial year 1895-96,	\$941,184 68	

JAMES H. DODGE,
Auditor of the County of Suffolk.

SINKING-FUNDS.

Statement of the Sinking-Funds of the City of Boston for the Financial Year 1895-96, which ended January 31, 1896.

Amount of resources for the redemption of debt, January 31, 1895:

Cash in Banks,	\$1,428,415 43
Cash in Treasurer's hands,	68,138 29
Investments,	20,103,600 00
	<u>\$21,600,153 72</u>

Receipts in 1895-96:

Interest on investments,	\$854,974 26
Interest on bank deposits,	36,900 33
Interest on sterling debt, redeemed in London,	90.806 13
Revenue from betterments, sales of land, etc.,	58,534 78
Revenue from laying out and construction of highways,	118,170 09
Revenue from water-works:	
Cochituate water-works, for debt requirement,	205,791 00
Mystic water-works for payment of debt,	65,000 00
Appropriation for debt, 1895-96,	1,304,419 00
Premium on loans negotiated,	436,212, 50
	<u>3,170,808 09</u>
	<u>\$24,770,961 81</u>

Paid in 1895-96:

City Treasurer, for redemption of debt,	\$445,040 29
City Treasurer, for cost of redemption of sterling debt in London,	1,354 59
	<u>446,394 88</u>
	<u>\$24,324,566 93</u>

Amount of resources January 31, 1896:

Cash in banks,	\$2,019,316 93
Investments,	22,305,250 00
	<u>\$24,324,566 93</u>

RESOURCES.

Name of Sinking-Fund.	Cash.	Investments.	Total Resources
Consolidated Street Improvement.....	\$67,024 42	\$1,941,000 00	\$2,008,024 42
New Public Library, Special.....	56,000 91	331,000 00	387,000 91
Twenty-year.....	73,081 27	4,890,050 00	4,963,131 27
Ten-year.....	1,489,430 19	3,081,500 00	4,570,930 19
Public Park.....	10,451 88	735,000 00	745,451 88
Public Park, Special.....	6,563 47	1,202,100 00	1,208,663 47
Special Loans.....	2,474 47	245,000 00	247,474 47
Cochituate Water.....	188,366 39	8,911,600 00	9,099,966 39
Suffolk County Court-House.....	39,396 30	275,000 00	314,396 30
Suffolk County, General.....	22,711 66	20,000 00	42,711 66
Laying Out and Construction of Highways.....	2,355 24	440,500 00	443,355 24
Rapid Transit.....	7,219 06	137,000 00	144,219 06
Rapid Transit, Charlestown Bridge.....	131 00	.....	131 00
Blue Hill and other avenues.....	49,198 03	95,500 00	144,698 03
Moneys for reduction of Debt.....	4,342 64	.....	4,342 64
Total resources.....	\$2,019,316 93	\$22,305,250 00	\$24,324,566 93

DEBT PAID, 1895-96.

The following table shows the amount of debt paid during the year ending January 31, 1896, the objects for which and the rate of interest at which it was borrowed.

Dates of orders.	Rates of Interest.	Objects for which it was borrowed.	Amount.	Total.
<i>City Debt.</i>				
Dec. 23, 1873.....	6	Broadway Bridge Foundation....	\$1,000 00	
Mar. 30, 1874.....	6	Burnt District.....	2,000 00	
April 14, 1883.....	4	Library Building, Dartmouth St.	25,000 00	
Sept. 26, 1885.....	3½	Home for Paupers, Long Island...	80,000 00	
Dec. 28, 1885.....	8	Arnold St. Widening, Etc.....	28,000 00	
Dec. 28, 1885.....	3	Massachusetts Ave.....	37,000 00	
Dec. 28, 1885.....	3	Humboldt Ave.	36,000 00	
Dec. 28, 1885.....	3	Beacon St. and Brookline Ave., Raising Grade.....	50,000 00	
Dec. 31, 1888.....	5	Widening Hanover St.....	129,040 29	\$383,040 29
Sept. 16, 1885.....	3	County of Suffolk Debt		17,000 00
Mar. 2, 1895.....	4	Mystic Water Debt.....		65,000 00
		Total Debt of all kinds paid...		\$465,040 29

DEBT CREATED, 1895—96.

The following table shows the amount of money borrowed during the year ending January 31, 1896, and the objects for which it was borrowed :

Dates of Orders.	Rate of Interest.	OBJECTS FOR WHICH IT WAS BORROWED.	AMOUNTS.		Total.	When Due.
			Inside of Debt Limit.	Outside of Debt Limit.		
Jan. 28, 1895	4	Improved Sewerage.....	\$67,450 00	.....	.....	April, 1915.
Mar. 16, 1895	4	New Lunatic Hospital, furnishing.....	10,000 00	.....	.....	April, 1915.
Mar. 16, 1895	4	Parental School for Boys, furnishing.....	5,000 00	.....	.....	April, 1915.
July 12, 1894	4	Extension of Columbus Avenue, etc.....	213,000 00	.....	.....	April, 1915.
Jan. 4, 1895	4	Cudworth School-house, additional land.....	5,000 00	.....	.....	April, 1915.
Jan. 4, 1895	4	Primary School-house, Eustis Street, grading grounds.....	7,000 00	.....	.....	April, 1915.
Jan. 4, 1895	4	Primary School-house, Moulton Street, additional land.....	5,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Austin Primary School-house, furnishing.....	4,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Grammar School-house, Gibson District, furnishing.....	10,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Grammar School-house, Mt. Vernon District, grading, etc.....	4,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Canterbury and Sharon Sts., grading, etc.	5,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Canterbury and Sharon Sts., furnishing.	4,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Eustis Street, furnishing.....	4,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Morton Street, grading, etc.....	4,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Morton Street, furnishing.....	3,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Moulton Street, furnishing.....	4,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, north of Broadway, furnishing.....	4,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Oak Square, furnishing.....	1,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Primary School-house, Oak Square, grading, etc.....	3,500 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Sewer Outlet (low level), West Roxbury District.....	21,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Forest Avenue Section, temporary sewer outlet, etc.....	19,400 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Charles-River Bridge, draw, etc.....	8,100 00	.....	.....	April, 1915.
Apr. 22, 1895	4	Public Library, West Church, remodelling and furnishing.....	30,000 00	.....	.....	April, 1915.
Apr. 22, 1895	4	South Drop, South Ferry, Boston side.....	8,000 00	.....	.....	April, 1915.
June 25, 1894	4	Laying Out and Construction of Highways.....	.....	\$500,000 00	.....	July, 1915.
Feb. 1, 1894	4	New Buildings, City Hospital.....	300,000 00	.....	.....	Oct., 1915.
Sept. 27, 1895	4	House of Industry, alterations and additions.....	50,000 00	.....	.....	Oct., 1915.
		Carried forward.....	\$1,799,650 00	\$500,000 00	.....

DEBT CREATED 1895-96. — Continued.

Dates of Orders.	Rate of Interest.	OBJECTS FOR WHICH IT WAS BORROWED. City Debt other than for water purposes.	AMOUNTS.		Total.	When Due.
			Inside of Debt Limit.	Outside of Debt Limit.		
Sept. 27, 1895	4	<i>Brought forward.</i>	\$799,850 00	\$500,000 00	.....	Oct., 1915.
July 12, 1894	4	Parental School, new buildings and furnishing	50,000 00	.....	.....	Oct., 1915.
Jan. 4, 1895	4	Extension of Columbus Avenue, etc.	87,000 00	.....	.....	Oct., 1915.
Jan. 4, 1895	4	New School-house, Ward 15	70,000 00	.....	.....	Oct., 1915.
Jan. 4, 1895	4	Primary School-house, Aberdeen District, building.	30,000 00	.....	.....	Oct., 1915.
Jan. 4, 1895	4	Primary School-house, North and West Ends	45,000 00	.....	.....	Oct., 1915.
Jan. 4, 1895	4	Gold-Street Bridge	10,000 00	.....	.....	Oct., 1915.
April 22, 1895	4	Brighton High School-house, grading, etc.	16,000 00	.....	.....	Oct., 1915.
April 22, 1895	4	Grammar School-house, Gibson District, grading, etc.	10,000 00	.....	.....	Oct., 1915.
April 22, 1895	4	Grammar School-house, Stoughton District, grading, etc.	8,000 00	.....	.....	Oct., 1915.
April 22, 1895	4	Primary School-house, Genesee street, grading, etc.	27,000 00	.....	.....	Oct., 1915.
April 22, 1895	4	Chelsea Bridge, North, rebuilding draw, etc.	40,000 00	.....	.....	Oct., 1915.
April 22, 1895	4	Chapel, Long Island	20,000 00	.....	.....	Oct., 1915.
July 9, 1895	4	City Nursery and Greenhouses, additional land	8,500 00	.....	.....	Oct., 1915.
July 9, 1895	4	City Nursery and Greenhouses, storehouses, etc.	10,000 00	.....	.....	Oct., 1915.
July 9, 1895	4	Highland Park	5,000 00	.....	.....	Oct., 1915.
July 9, 1895	4	Independence Square and Thomas Park	15,000 00	.....	.....	Oct., 1915.
July 9, 1895	4	Hospital Department	39,500 00	.....	.....	Jan., 1916.
July 9, 1895	4	Ladder-house, Ward 19	30,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Engine-house No. 10, remodelling	5,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	New Boat, Police Department	2,700 00	.....	.....	Jan., 1916.
July 9, 1895	4	Stony Brook damages	5,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Commonwealth Avenue	139,500 00	.....	.....	Jan., 1916.
July 9, 1895	4	McLellan Street, Old Road to White Street	7,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Saratoga Street, filling solid old bridge	25,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Talbot Avenue, construction, etc.	35,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Street Laying-out Department	70,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Quincy Street, Ward 4, laying-out and construction	38,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Centre Street, Ward 24	5,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Geneva Avenue	7,000 00	.....	.....	Jan., 1916.
July 9, 1895	4	Street Improvements, Wards 1 and 2	50,000 00	.....	.....	Jan., 1916.
		<i>Carried forward</i>	\$1,709,850 00	\$500,000 00	.....

DEBT CREATED 1895-96.— *Concluded.*

Dates of Orders.	Rate of Interest.	OBJECTS FOR WHICH IT WAS BORROWED.	AMOUNTS.		Total.	When Due.
			Inside of Debt Limit.	Outside of Debt Limit.		
		<i>Brought forward.</i>	\$1,709,850 00	\$500,000 00		
July 9, 1895	4	Street Improvements, Ward 3.	16,666 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 4.	16,667 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 5.	16,667 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Wards 6, 7, and 8.	50,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Wards 9 and 10.	50,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 11.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 12.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 13.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Wards 14 and 15.	50,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 16.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Wards 17 and 18.	50,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Wards 19 and 22.	50,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 20.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 21.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 23.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 24.	25,000 00			Jan., 1916.
July 9, 1895	4	Street Improvements, Ward 25.	25,000 00			Jan., 1916.
July 9, 1895	4	Public Park Construction.	100,000 00			Jan., 1916.
July 9, 1895	4	Strandway from Marine Park, west.	6,500 00			Jan., 1916.
Jan. 4, 1896	4	Library Building, Dartmouth Street, furnishing.	44,000 00			Jan., 1916.
June 26, 1894	4	Laying Out and Construction of Highways.		150,000 00		Jan., 1916.
May 17, 1893	4	Public Park, Wards 6 and 7.	50,000 00			April, 1925.
May 17, 1893	4	Public Park, Wards 6 and 7.	208,000 00			Oct., 1925.
Oct. 24, 1891	4	Library Building Dartmouth Street.		150,500 00		Oct., 1925.
Chap. 548, Acts of 1894.	4	Rapid Transit.		1,000,000 00		April, 1935.
Chap. 408, Acts of 1895.	4	School-houses.		500,000 00		July, 1935.
May 11, 1895	4	Blue Hill and other avenues.		1,000,000 00		July, 1935.
Chap. 548, Acts of 1894.	4	Rapid Transit, Charlestown Bridge.	10,000 00			Oct., 1935.
Chap. 548, Acts of 1894.	34	Rapid Transit.		250,000 00		Jan., 1936.
		<i>Water Debt.</i>				
Mar. 2, 1895	4	Myatic Water-Works, Land, etc.	\$2,678,350 00	\$3,550,500 00	\$6,228,850 00	Oct., 1896.
April 26, 1893	4	Additional supply of water.		65,000 00		Oct., 1924.
				500,000 00	565,000 00	
		Total debts of all kinds created.	\$2,678,350 00	\$4,115,500 00	\$6,793,850 00	

LOANS AUTHORIZED BUT NOT ISSUED.

January 31, 1896.

Date of Order.	Object.	Inside of Debt Limit.	Outside of Debt Limit.
April 26, 1893 . . .	Additional Supply of Water		\$1,300,000 00
Feb. 12, 1894 . . .	Charlestown Bridge	\$730,000 00	
June 25, 1894 . . .	Laying Out and Construction of Highways (Chap. 323, Acts 1891)		350,000 00
July 2, 1894 . . .	Rapid Transit (Chap. 548, Acts 1894),		¹ 5,700,000 00
May 11, 1895 . . .	Blue Hill and other avenues (Chap. 334, Acts 1895)		1,500,000 00
May 24, 1895 . . .	School Houses (Chap. 408, Acts 1895)	² 500,000 00	
July 9, 1895 . . .	Various Municipal Purposes, July 9, 1895, \$442,000:		
	Hospital Department, maintenance	28,500 00	
	New Boat, Police Department	47,300 00	
	Parade Ground, etc., for the Militia	125,000 00	
	New Lunatic Hospital	5,100 00	
	House of Industry, alterations and additions	75,000 00	
	Strandway from Marine Park, west	93,500 00	
	Commonwealth Park Gymnasium,	15,000 00	
	Playstead, Neponset	15,000 00	
	Columbus Avenue, Massachusetts Avenue to Northampton Street, Asphalt	7,100 00	
	Commonwealth Avenue	30,500 00	
Dec. 31, 1895 . . .	Laying Out and Construction of Highways (Chap. 323, Acts 1891),		500,000 00
Dec. 31, 1895 . . .	Sidewalk Assessments, Repayment of	100,000 00	
		<u>\$1,772,000 00</u>	<u>\$9,350,000 00</u>
Inside Debt Limit	\$1,772,000 00		
Outside Debt Limit	9,350,000 00		
	<u>\$11,122,000 00</u>		

¹ Chap. 548, Acts of 1894, authorizes the City of Boston to borrow not exceeding seven millions of dollars to promote Rapid Transit, and such further amount for Charlestown bridge and its approaches, in addition to the seven hundred and fifty thousand dollars heretofore appropriated by the City Council, as may be necessary for the completion of said bridge and approaches.

² Chap. 408, Acts of 1895, authorizes the City of Boston to borrow on the request of the School Committee not exceeding \$500,000 in the year 1895 (which has been borrowed), which shall be outside of the debt limit, and \$500,000 in the year 1896, and \$400,000 in each of the three following years, which shall all be within the debt limit.

DEBT, WHEN DUE.

YEAR.	City Debt.	Water Debt.	County Debt.	Total.
1874..	\$1,000 00	.....	.....	\$1,000 00
1896..	1,891,500 00	.....	\$17,000 00	1,908,500 00
1897..	275,000 00	\$500,000 00	17,000 00	792,000 00
1898..	100,000 00	990,000 00	17,000 00	1,107,000 00
1899..	6,115,525 66	250,000 00	81,000 00	6,446,525 66
1900..	3,040,000 00	.....	17,000 00	3,057,000 00
1901..	738,000 00	1,643,000 00	17,000 00	2,898,000 00
1902..	978,300 00	2,047,273 98	17,000 00	3,042,573 98
1903..	773,500 00	905,000 00	17,000 00	1,695,500 00
1904..	647,000 00	46,000 00	17,000 00	710,000 00
1905..	459,000 00	1,353,700 00	17,000 00	1,829,700 00
1906..	460,500 00	2,647,300 00	17,000 00	3,124,800 00
1907..	.....	15,000 00	17,000 00	32,000 00
1908..	.....	600,000 00	17,000 00	617,000 00
1909..	.....	350,000 00	17,000 00	367,000 00
1910..	.....	280,000 00	17,000 00	297,000 00
1911..	1,552,500 00	.....	17,000 00	1,569,500 00
1912..	2,530,925 00	324,000 00	17,000 00	2,871,925 00
1913..	4,710,600 00	447,000 00	17,000 00	5,174,600 00
1914..	2,774,800 00	500,500 00	17,000 00	3,292,300 00
1915..	1,780,150 00	318,700 00	17,000 00	2,115,850 00
1916..	1,384,200 00	672,800 00	17,000 00	2,074,000 00
1917..	1,150,000 00	824,700 00	17,000 00	1,991,700 00
1918..	500,000 00	226,300 00	717,000 00	1,443,300 00
1919..	1,000,000 00	775,000 00	817,000 00	2,592,000 00
1920..	1,100,000 00	604,000 00	17,000 00	1,721,000 00
1921..	1,200,000 00	262,500 00	17,000 00	1,479,500 00
1922..	676,000 00	458,000 00	423,000 00	1,557,000 00
1923..	1,725,000 00	576,275 00	92,000 00	2,393,275 00
1924..	1,399,000 00	644,225 00	57,000 00	2,100,225 00
1925..	1,458,000 00	.....	17,000 00	1,475,000 00
1926..	.....	.....	17,000 00	17,000 00
1927..	.....	.....	17,000 00	17,000 00
1928..	.....	.....	17,000 00	17,000 00
1929..	.....	.....	17,000 00	17,000 00
1930..	.....	.....	17,000 00	17,000 00
1931..	.....	.....	17,000 00	17,000 00
1932..	.....	.....	17,000 00	17,000 00
1933..	.....	.....	17,000 00	17,000 00
1934..	60,000 00	.....	17,000 00	77,000 00
1935..	2,510,000 00	.....	17,000 00	2,527,000 00
1936..	250,000 00	.....	.....	250,000 00
1937..	500,000 00	.....	800,000 00	1,300,000 00
1938..	.....	.....	100,000 00	100,000 00
	843,740,500 66	\$18,261,273 98	\$3,665,000 00	\$65,666,774 64

CITY DEBT.

The average annual interest, partly payable in gold, on the *funded* City Debt is about 4 per cent., as will be seen by the following table :

\$1,861,525 66 (£416,500) at 5 per cent., gold,	\$196,000 00 ¹
752,000 00 at 3 per cent.,	22,560 00
29,000 00 at 3½ "	942 50
5,745,000 00 at 3½ "	201,075 00
35,109,975 00 at 4 "	1,404,399 00
212,000 00 at 5 "	10,600 00
30,000 00 at 6 "	1,800 00
<hr/>	<hr/>
\$43,739,500 66	\$1,837,376 50
1,000 00 (matured)	
<hr/>	
\$43,740,500 66	
<hr/>	

COCHITUATE WATER DEBT.

The average annual rate of interest of the foregoing debt is about 4½ per cent.

\$3,552,000 00 at 5 per cent. in gold	\$177,600 00
1,947,273 98, £399,500, at 5 per cent. in gold	97,877 50
200,000 00 at 3 per cent.	6,000 00
1,170,000 00 at 3½ per cent.	40,950 00
6,214,000 00 at 4 per cent.	248,560 00
268,000 00 at 4½ per cent.	12,060 00
13,000 00 at 5 per cent.	650 00
4,897,000 00 at 6 per cent.	293,820 00
<hr/>	<hr/>
\$18,261,273 98	\$877,517 50
<hr/>	<hr/>

¹ By terms of the contract, the city is obliged to pay interest on the original amount, £800,000, of this loan issued, the surplus interest being used for the purchase of the bonds at par drawn by lot annually.

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT.

Exclusive of the COUNTY AND WATER DEBTS, on the 31st day of January, 1896, classified according to the years in which it becomes due, viz.:

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Feb. 4, 1860.	5	Matured	North Street, Widening.....	\$1,000 00	Jan., 1874.	\$1,000 00
Dec. 28, 1885.	3	April and Oct....	Beacon Street and Brookline Avenue, Raising Grade.....	\$50,000 00	April, 1896.	
" "	3	" "	Hampden Street, Widening.....	20,000 00	" "	
" "	3	" "	Ward Street.....	7,000 00	" "	
Dec. 30, 1885.	3	" "	Stanford-street Extension	127,000 00	" "	
July 8, 1886.	3	Jan. and July....	Beacon Street and Brookline Avenue, Raising Grade.....	200,000 00	July,	
" "	3	" "	Masachus. Sts Avenue.....	40,000 00	" "	
" "	3	" "	Street Improvements, East Boston.....	40,000 00	" "	
" "	3	" "	Humboldt Avenue Extension.....	35,000 00	" "	
" "	3	" "	King's-house No. 6, site for.....	30,000 00	" "	
" "	3	" "	Webster Street.....	30,000 00	" "	
" "	3	" "	Wharves, Long Island.....	28,000 00	" "	
" "	3	" "	Harrison Avenue, Repaving.....	25,000 00	" "	
" "	3	" "	Talbot Avenue.....	25,000 00	" "	
" "	3	" "	Engine house and site, Brighton.....	24,000 00	" "	
" "	3	" "	Ladder house and site, Rosinndale.....	22,000 00	" "	
" "	3	" "	Linden Park.....	22,000 00	" "	
" "	3	" "	Chelsea Street, Charlestown, Repaving.....	20,000 00	" "	
" "	3	" "	Q Street.....	20,000 00	" "	
" "	3	" "	Building for contagious cases, City Hospital.....	15,000 00	" "	
" "	3	" "	B Street, Repaving.....	14,000 00	" "	
" "	3	" "	Ninth Street, Grading.....	10,000 00	" "	
" "	3	" "	Building for Out-patients, City Hospital.....	9,000 00	" "	
" "	3	" "	A Street, Repaving.....	7,000 00	" "	
" "	3	" "	Improvement of Independence Square.....	3,000 00	" "	
" "	3	" "	Improvement of Madison Square.....	3,000 00	" "	
" "	3	" "	Avon place Extension	2,000 00	" "	
Dec. 28, 1885.	3	" "	Beacon Street and Brookline Avenue, Raising Grade.....	50,000 00	" "	
			<i>Carried forward.....</i>	\$887,000 00	\$1,000 00

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT.— *Continued*

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.		Total for Years.
	Rate.	When Due.					
April 14, 1883.	4	Jan. and July	<i>Brought forward.</i>	\$887,000 00	.....		\$1,000 00
Dec. 28, 1885.	3	"	Library Building, Dartmouth Street.	25,000 00	July, 1896.		
"	3	April and Oct.	Boylston street Extension.	125,000 00	"		
April 14, 1883.	4	"	"	25,000 00	Oct.,		
Dec. 28, 1885.	3	"	Library Building, Dartmouth Street.	300,000 00	"		
Dec. 31, 1886.	4	"	Webster Street.	30,000 00	"		
"	4	"	Grammar School-house, South Boston.	90,000 00	"		
"	4	"	High School house, Roxbury.	90,000 00	"		
"	4	"	New Ferry-boat.	48,000 00	"		
"	4	"	Cambridge-street Bridge.	45,000 00	"		
"	4	"	Washington Street, between Forest Hills Station and Ash-	42,000 00	"		
"	4	"	land Street.	35,000 00	"		
"	4	"	Grammar School-house, Dudley Street.	20,000 00	"		
"	4	"	Police Station-house, Boylston Street.	9,000 00	"		
"	4	"	Horace Mann School house.	10,300 00	"		
"	4	"	Harrison Avenue, Widening.	10,000 00	"		
"	4	"	City Building, Beacon Street.	10,000 00	"		
"	4	"	Fire Department Building, Boylston Street.	10,000 00	"		
Aug. 9, 1877.	4	"	Improved Sewerage.	\$100,000 00	Oct., 1897.		1,891,800 00
"	5	"	"	145,000 00	"		
"	0	"	"	39,000 00	"		
Aug. 9, 1877	4	April and Oct.	Improved Sewerage	\$100,000 00	Oct., 1898.		275,000 00
"	4	Jan. and July	Improved Sewerage	\$1,000,000 00	Jan., 1899.		100,000 00
Jan. 3, 1880.	4	"	Architect's Department	7,000 00	"		
"	4	"	Roxbury High School house.	60,000 00	"		
"	4	"	Nesqueet-River Bridges.	8,000 00	"		
"	4	"	Rutland and Concord Squares.	10,000 00	"		
"	4	"	Playground, South Boston.	1,200 00	"		
"	4	"	Public Ground, Charlestown Square	800 00	"		
"	4	"	Mount Hope Cemetery	2,000 00	"		
"	4	"	<i>Carried forward.</i>	\$1,079,000 00	.....		\$2,267,500 00

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When due.				
Jan. 3, 1889.	4	Jan. and July	<i>Brought Forward.</i>	\$1,079 00 00	.....	\$2,267,500 00
" "	4	"	Paving Department.....	66,300 00	Jan. 1890.	
" "	4	"	Commonwealth Avenue, west of Cross Roads.....	76,000 00	" "	
" "	4	"	Humboldt Avenue.....	20,000 00	" "	
" "	4	"	Commonwealth Avenue, between Brighton Avenue and { Chestnut Hill Avenue.....	11,000 00	" "	
" "	4	"	Quincy street Bridge.....	5,500 00	" "	
" "	4	"	Boylston-street Extension.....	5,000 00	" "	
" "	4	"	Saratfield Street.....	3,500 00	" "	
" "	4	"	Roll Street.....	3,000 00	" "	
" "	4	"	Public Buildings.....	1,000 00	" "	
" "	4	"	Sewers.....	100,000 00	" "	
" "	4	"	School houses, Public Buildings.....	42,000 00	" "	
" "	4	"	School Expenses, School Committee.....	25,000 00	" "	
" "	4	"	Tuft-street Extension.....	60,000 00	" "	
" "	4	"	Police Department, to make good transfers.....	204,000 00	" "	
" "	4	"	Bridge, Walley Street to Reachmont.....	19,000 00	" "	
" "	4	"	Grammar School-house, Pierce District.....	30,000 00	" "	
" "	4	"	Inspection of Buildings Department.....	3,000 00	" "	
" "	4	"	Paving D Street.....	10,000 00	" "	
" "	4	"	Incidental Expenses.....	6,700 00	" "	
Feb. 16, 1889.	4	"	Building for Out Patients, City Hospital.....	14,000 00	" "	
" "	4	"	Primary School-house, Parker Street.....	41 50	" "	
" "	4	"	Ladder house and Site, Roslindale.....	3,026 45	" "	
" "	4	"	Building for Contagious Cases, City Hospital.....	6,156 01	" "	
" "	4	"	Police Station-house, Boylston Street.....	233 90	" "	
" "	4	"	Grammar School-house, Dudley Street.....	7,255 57	" "	
" "	4	"	Engine house, Charlestown.....	3,707 08	" "	
" "	4	"	Engine house, Brighton.....	2,402 52	" "	
" "	4	"	Fire Department Building, Boylston Street.....	673 72	" "	
" "	4	"	Fire Department Building, Charlestown.....	13 95	" "	
" "	4	"	Armories.....	10,000 00	" "	
" "	4	"	Highland-street Stable.....	18,000 00	" "	
			<i>Carried forward.</i>	\$1,835,510 70	.....	\$2,267,500 00

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Feb. 16, 1889.	4	Jan. and July....	<i>Brought forward</i>	\$1,835,510 70	\$2,267,500 00
" "	4	" "	Common and Public Grounds	4,500 00	Jan., 1899.	
" "	4	" "	Contingent Fund, Joint Committees.....	4,000 00	" "	
" "	4	" "	Election Expenses	1,200 00	" "	
" "	4	" "	Long Island	21,000 00	" "	
" "	4	" "	Warren Bridge.....	18,500 00	" "	
" "	4	" "	East Boston Ferries	27,000 00	" "	
" "	4	" "	Health Department	8,000 00	" "	
" "	4	" "	City Hospital	23,000 00	" "	
" "	4	" "	House of Industry	6,000 00	" "	
" "	4	" "	Lunatic Hospital.....	10,000 00	" "	
" "	4	" "	Marcella-street Home.....	10,000 00	" "	
" "	4	" "	Retreat for Insane, Dorchester.....	8,000 00	" "	
" "	4	" "	Home for Paupers, Rainsford and Long Islands	5,000 00	" "	
" "	4	" "	Steamer "J. Putnam Bradlee".....	2,000 00	" "	
" "	4	" "	Pauper Expenses	4,000 00	" "	
" "	4	" "	Public Library.....	11,900 00	" "	
" "	4	" "	Salaries	4,500 00	" "	
" "	4	" "	School Expenses, School Committee	14,000 00	" "	
" "	4	" "	Sewer Department.....	3,000 00	" "	
" "	4	" "	Stony-brook Improvement.....	57,000 00	" "	
" "	4	" "	Widening Streets.....	31,000 00	" "	
" "	4	" "	Stanford-street Extension.....	9,000 00	" "	
" "	4	" "	Paving Department.....	57,880 30	" "	
" "	4	" "	Registration of Voters	9,000 00	" "	
Aug. 9, 1877.	5	April and Oct....	Improved Sewerage.....	32,000 00	April,	
Dec. 31, 1868.	5	Jan. and July....	Widening Hanover Street.....	11,525 66	July,	
July 23, 1889.	5	" "	Fort Hill Improvement.....	1,250,000 00	" "	
Oct. 15, 1889.	5	" "	Widening Hanover Street, No. 2.....	600,000 00	" "	
March 18, 1889.	34	" "	Library Building, Dartmouth Street	500,000 00	" "	
Sept. 28, 1889.	34	" "	Walk from Park Square to Park Street.....	6,000 00	" "	
" "	34	" "	Belmont Square, Paving, etc.....	2,300 00	" "	
" "	34	" "	Parks, East Boston, Fences.....	700 00	" "	
<i>Carried forward</i>				\$4,687,525 66	.....

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Sept. 28, 1889.	3 1/2	Jan. and July....	<i>Brought forward</i>	\$4,587,525 66	.....	\$2,267,500 00
"	3 1/2	"	Blackstone and Franklin Squares.....	4,000 00	July, 1899.	
"	3 1/2	"	Clock, East Boston.....	1,000 00	"	
"	3 1/2	"	Mt. Hope Cemetery.....	5,000 00	"	
"	3 1/2	"	Election Expenses.....	50,000 00	"	
"	3 1/2	"	Sewer Department.....	50,000 00	"	
"	3 1/2	"	Stables and Sheds, Brighton.....	4,500 00	"	
"	3 1/2	"	Sewer, Magazine Street.....	3,500 00	"	
"	3 1/2	"	Sewer, Meridian Street.....	12,000 00	"	
"	3 1/2	"	Sewers, South Cove District.....	30,000 00	"	
"	3 1/2	"	Sewer, Hudson Street.....	20,000 00	"	
"	3 1/2	"	Grammar School-house, Dudley Street.....	8,000 00	"	
"	3 1/2	"	School-house site, Prince District.....	36,000 00	"	
"	3 1/2	"	" " Glen Road.....	8,500 00	"	
"	3 1/2	"	" " Bunker Hill District.....	15,000 00	"	
"	3 1/2	"	Grammar School-house, South Boston.....	8,500 00	"	
"	3 1/2	"	School houses, Public Buildings.....	28,000 00	"	
"	3 1/2	"	Nashua Street.....	7,000 00	"	
"	3 1/2	"	Travers Street.....	10,000 00	"	
"	3 1/2	"	India Street.....	6,500 00	"	
"	3 1/2	"	Albany Street, Troy Street to Railroad Bridge.....	8,000 00	"	
"	3 1/2	"	Market Street.....	6,000 00	"	
"	3 1/2	"	Salem Street, Ward 23.....	3,000 00	"	
"	3 1/2	"	Story Street.....	3,500 00	"	
"	3 1/2	"	Green Street.....	8,000 00	"	
"	3 1/2	"	Washington Street, Ashland Street to Dedham Line.....	10,000 00	"	
"	3 1/2	"	West Second Street.....	10,000 00	"	
"	3 1/2	"	Q Street.....	6,000 00	"	
"	3 1/2	"	Winter Street.....	4,000 00	"	
"	3 1/2	"	Causeway Street.....	3,000 00	"	
"	3 1/2	"	Dorchester Avenue, Paying.....	20,000 00	"	
"	3 1/2	"	Heath Street, Macadamizing.....	10,000 00	"	
"	3 1/2	"	Smith Street, Macadamizing.....	4,000 00	"	
			<i>Carried forward</i>	\$4,999,525 66	.....	\$2,267,500 00

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Dec. 24, 1889, and Jan. 24, 1890.	3 1/2	April and Oct.	<i>Brought forward</i>	\$5,520,525 00	\$2,987,500 00
"	3 1/2	"	Fire Department Equipment.....	68,000 00	Oct., 1899.	
"	3 1/2	"	Stony Brook Damages.....	250,000 00	"	
"	3 1/2	"	Paving Department.....	50,000 00	"	
"	3 1/2	"	Election Expenses.....	38,000 00	"	
"	3 1/2	"	West End City Stables.....	40,000 00	"	
"	3 1/2	"	Incidental Expenses.....	34,000 00	"	
"	3 1/2	"	Grammar School-house, South Boston.....	10,000 00	"	
"	3 1/2	"	Chapman Street, Paving.....	6,500 00	"	
"	3 1/2	"	Public Library.....	2,000 00	"	
"	3 1/2	"	Myrtle Street, Macadamizing.....	5,000 00	"	
"	3 1/2	"	Primary School-house Lot, Blossom Street.....	6,000 00	"	
"	3 1/2	"	Police Station-house No. 1.....	65,000 00	"	
"	3 1/2	"	Lake Street, Plank Walk.....	500 00	"	
"	3 1/2	"	Dustin Street.....	1,000 00	"	
"	3 1/2	"	Forbes Street.....	8,000 00	"	
"	3 1/2	"	Brentwood Street.....	2,000 00	"	
"	3 1/2	"	Grammar School-house Lot, Hillaide District.....	9,000 00	"	
March 10, 1890.	4	Jan. and July.....	Armories.....	\$6,000 00	Jan., 1900.	6,115,525 66
"	4	"	Board of Health.....	5,000 00	"	
"	4	"	Bridges.....	10,000 00	"	
"	4	"	Federal-street Bridge.....	100,000 00	"	
"	4	"	Common, etc.....	15,000 00	"	
"	4	"	City Hospital, Purchase of Convalescents' Home.....	30,000 00	"	
"	4	"	Incidental Expenses.....	6,000 00	"	
"	4	"	Inspection of Buildings.....	13,500 00	"	
"	4	"	Dorchester Avenue, Paving.....	37,500 00	"	
"	4	"	Police Department, to make good transfers.....	170,000 00	"	
"	4	"	House of Industry.....	10,000 00	"	
"	4	"	Pauper Expenses.....	15,000 00	"	
"	4	"	Registration of Voters.....	8,000 00	"	
"	4	"	Rebuilding Dorchester-brook Sewer.....	50,000 00	"	
"	4	"	<i>Carried forward</i>	\$476,000 00	.....
						\$8,393,025 66

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Jan. 27, 1891.	4	Jan. and July	<i>Brought forward</i>	\$277,000 00	\$11,423,025 66
Nov. 18, 1889.	4	"	Street Department	183,000 00	Jan., 1901.	
Aug. 9, 1877.	4	"	New Public Library, Dartmouth Street	189,000 00	"	
" " " "	4	April and Oct.	Improved Sewerage.....	24,000 00	"	
" " " "	4	"	"	5,000 00	Apr.,	688,000 00
" " " "	4	"	"	10,000 00	Oct.,	
" " " "	5	Jan. and July	"	\$8,000 00	Jan., 1902.	
" " " "	4	April and Oct.	"	317,000 00	April,	
" " " "	4	"	"	627,500 00	Oct.,	952,500 00
" " " "	4	Jan. and July	"	\$22,500 00	Jan., 1903.	
May 13, 1882.	4	April and Oct.	"	500,000 00	April,	
Aug. 9, 1877.	4	"	"	6,000 00	Oct.,	
May 13, 1882.	4	"	"	245,000 00	"	773,500 00
" " " "	4	Jan. and July	"	\$500,000 00	Jan., 1904.	
" " " "	4	"	"	97,000 00	July,	
" " " "	4	April and Oct.	"	50,000 00	Oct.,	
" " " "	4	Jan. and July	"	\$50,000 00	Jan., 1905.	647,000 00
June 9, 1885.	3½	"	"	100,000 00	July,	
July 8, 1885.	3	"	Sewers, Roslindale.....	143,000 00	"	
" " " "	3	"	Sewers, Dorchester	118,000 00	"	
" " " "	5	"	Sewers, Brighton	48,000 00	"	459,000 00
" " " "	3½	"	Improved Sewerage.....	\$50,000 00	Jan., 1906.	
June 9, 1885.	3½	April and Oct.	"	50,000 00	Oct.,	
June 28, 1886.	3½	"	Sewers, Ashmont District.....	70,000 00	"	
" " " "	3½	"	Sewers, City Proper	53,000 00	"	
" " " "	3½	"	Sewers, Brighton	11,000 00	"	
" " " "	3½	"	Sewers, East Boston	44,000 00	"	
" " " "	3½	"	Sewers, Roxbury	25,000 00	"	
<i>Carried forward</i>				\$303,000 00	\$14,943,025 66

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
June 25, 1886.	3½	April and Oct.	<i>Brought forward</i>	\$303,000 00	\$14,943,025 66
" " "	3½	"	Sewers, South Boston.....	47,000 00	Oct., 1906.	
" " "	3½	"	Sewer between Crescent Avenue and Greenwich Street.....	40,000 00	"	
Dec. 31, 1886.	4	"	Sewers, Beacon Street, etc.....	19,000 00	"	
" " "	4	"	Sewer between Crescent Avenue and Greenwich Street.....	26,500 00	"	
" " "	4	"	Improved Sewerage.....	20,000 00	"	400,500 00
" " "	4	"	Sewers, Charlestown.....	5,000 00	"	
Apr. 30 and May 16, 1891.	4	"	School-houses and Sites.....	\$500,000 00	April, 1911.	
Oct. 26, 1891.	4	"	Sewers.....	421,000 00	Oct., "	
Dec. 5, 1891.	4	"	Le-street Bridge.....	160,000 00	"	
Dec. 10, 1891.	4	"	Commonwealth avenue Construction.....	210,000 00	"	1,552,500 00
Dec. 24, 1891.	4	"	Dorchester Avenue, Paving, Wards 15 and 24.....	125,000 00	"	
Jan. 2, 1892.	4	"	New Buildings, City Hospital.....	136,500 00	"	
Jan. 23, 1892.	4	Jan. and July	Alleton Bridge.....	\$90,000 00	Jan., 1912.	
" " "	4	"	Improved Sewerage.....	250,000 00	"	
May 24, 1892.	4	April and Oct.	New Buildings, City Hospital.....	135,000 00	April, "	\$16,956,025 66
" " "	4	"	Causeway-street Extension.....	75,500 00	"	
" " "	4	"	Jerome place Extension.....	5,500 00	"	
" " "	4	"	Talbot-avenue Extension.....	41,000 00	"	
" " "	4	"	Engine-house, Ashmont.....	25,000 00	"	
" " "	4	"	Engine house and Sae, North End.....	60,000 00	"	
" " "	4	"	Police Station house No. 13, Land and Addition to.....	25,000 00	"	
" " "	4	"	Barn, Austin Farm.....		"	
" " "	4	"	Dining-room, Austin Farm.....		"	
" " "	4	"	Electric-Lighting Plant, Austin Farm, } Transferred to New		"	
" " "	4	"	Three Dormitories, Austin Farm.....		"	
" " "	4	"	Addition to House of Industry.....	127,000 00	"	
" " "	4	"	Barn, Long Island.....	60,000 00	"	
" " "	4	"	Electric-Lighting Plant, Long Island.....	6,000 00	"	
" " "	4	"	Parental School for Boys.....	12,500 00	"	
" " "	4	"	" " Girls.....	125,000 00	"	
" " "	4	"		25,000 00	"	
			<i>Carried forward</i>	\$1,061,500 00	.....

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT.—Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
July 12, 1891.	4	April and Oct.	<i>Brought forward</i>	\$1,000,500 00	.....	\$23,273,350 66
"	4	"	Oak Street, Harrison Avenue to Washington Street..	6,000 00	Oct., 1914.	
"	4	"	Second Street, I Street to L Street.....	8,000 00	"	
"	4	"	Cuba Street, Kneeland Street to Beach Street.....	4,000 00	"	
"	4	"	Boylston-street Bridge.....	1,300 00	"	
"	4	"	Chelsea-street Bridge, Rebuilding.....	30,000 00	"	
"	4	"	Gold-street Bridge.....	15,000 00	"	
"	4	"	Street Laying Out Department.....	10,000 00	"	
"	4	"	Old West Church.....	55,000 00	"	
"	4	"	Engine-house No. 27, Remodelling.....	5,000 00	"	
"	4	"	Drainage, Faneuil Hall and Quincy Market Houses.....	10,000 00	"	
"	4	"	New Buildings, City Hospital.....	65,000 00	"	
"	4	"	New Lunatic Hospital.....	60,000 00	"	
"	4	"	Mechanic Arts High School, Furnishing.....	25,000 00	"	
"	4	"	Primary School-house, Field's Corner, Site and Building.....	50,000 00	"	
"	4	"	" " Genesee Street.....	65,000 00	"	
"	4	"	" " Aberdeen District, Site.....	6,000 00	"	
Feb. 1,	4	"	Agassiz School house, etc.....	9,000 00	"	
"	4	"	Austin Primary School house.....	5,000 00	"	
"	4	"	Brighton High School house.....	35,000 00	"	
"	4	"	Cushman School-house, Enlargement of.....	36,000 00	"	
"	4	"	Grammar School-house, Bowdoin District, Site and Building..	30,000 00	"	
"	4	"	" " Gibson District.....	10,000 00	"	
"	4	"	" " Stoughton District, Site.....	15,000 00	"	
"	4	"	" " " Building.....	90,000 00	"	
"	4	"	Primary " Morton Street.....	9,000 00	"	
"	4	"	" " North of Broadway.....	8,000 00	"	
"	4	"	" " Oak Square, etc.....	3,000 00	"	
Jan. 1, 1894.	4	"	Crushed Stone for Street Improvements.....	50,000 00	"	
Feb. 1, 1894.	4	"	Public Parks.....	500,000 00	"	
						2,274,800 00
Jan. 28, 1895.	4	"	Improved Sewerage.....	\$67,650 00	April, 1915.	
Mar. 16, 1895.	4	"	New Lunatic Hospital, Furnishing.....	10,000 00	"	
			<i>Carried forward</i>	\$77,650 00	.....	\$23,848,150 66

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When due.				
April 22, 1893.	4	April and Oct.	<i>Brought forward</i>	\$1,120,650 00	.....	\$25,548,150 00
" " " "	4	"	Brighton High School-house, Grading, etc.	16,000 00	Oct., 1915.	
" " " "	4	"	Grammar School-house, Gibson District, Grading, etc.	10,000 00	"	
" " " "	4	"	" " Stoughton District, Grading, etc.	8,000 00	"	
" " " "	4	"	Primary School-house, Genesee Street, Grading, etc.	27,000 00	"	
" " " "	4	"	Chelsea Bridge, North, Rebuilding draw, etc.	40,000 00	"	
" " " "	4	"	Chapel, Long Island	20,000 00	"	
July 9, 1893.	4	"	City Nursery and Greenhouses, Additional Land	8,500 00	"	
" " " "	4	"	" " Storehouses, etc.	10,000 00	"	
" " " "	4	"	Highland Park.....	5,000 00	"	
" " " "	4	"	Independence Square and Thomas Park.....	16,000 00	"	
" " " "	4	Jan. and July.	Hospital Department.....	\$39,500 00	Jan., 1916.	1,280,180 00
" " " "	4	"	Ladder-house, Ward 19.....	30,000 00	"	
" " " "	4	"	Engine-house No. 10, Remodelling.....	6,000 00	"	
" " " "	4	"	New Boat, Police Department.....	2,700 00	"	
" " " "	4	"	Stony Brook Damages.....	5,000 00	"	
" " " "	4	"	Commonwealth Avenue	139,500 00	"	
" " " "	4	"	McLellan Street, Old Road to White Street.....	7,000 00	"	
" " " "	4	"	Maratoga Street, filling solid old Bridge.....	25,000 00	"	
" " " "	4	"	Talbot Avenue, Construction, etc.....	35,000 00	"	
" " " "	4	"	Street Laying-Out Department.....	70,000 00	"	
" " " "	4	"	Quincy Street, Ward 4, Laying Out and Construction.....	38,000 00	"	
" " " "	4	"	Centre Street, Ward 24.....	5,000 00	"	
" " " "	4	"	Geneva Avenue.....	7,000 00	"	
" " " "	4	"	Street Improvements, Wards 1 and 2.....	50,000 00	"	
" " " "	4	"	" " Ward 3.....	16,666 00	"	
" " " "	4	"	" " Ward 4.....	16,667 00	"	
" " " "	4	"	" " Ward 5.....	16,667 00	"	
" " " "	4	"	" " Wards 6, 7, and 8	50,000 00	"	
" " " "	4	"	" " Wards 9 and 10.....	50,000 00	"	
" " " "	4	"	" " Ward 11.....	25,000 00	"	
" " " "	4	"	" " Ward 12.....	25,000 00	"	
" " " "	4	"	" " Ward 13.....	25,000 00	"	
" " " "	4	"	<i>Carried forward</i>	\$683,700 00	.....	\$26,828,300 00

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT.—Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
March 16, 1895.	4	April and Oct.	<i>Brought forward</i>	\$77,050 00	\$25,548,150 66
July 12 1894.	4	"	Parental School for Boys.....	5,000 00	April, 1915.	
Jan. 4, 1895.	4	"	Extension of Columbus Avenue, etc.....	213,000 00	"	
"	4	"	Cudworth School-house, Additional Land.....	5,000 00	"	
"	4	"	Primary School-house, Eastle Street, Grading Grounds.....	7,000 00	"	
"	4	"	" " Moulton Street, Additional Land.....	5,000 00	"	
April 22, 1895.	4	"	Austin Primary School-house, Furnishing.....	4,000 00	"	
"	4	"	Grammar School-house, Gibson District, Furnishing.....	10,000 00	"	
"	4	"	" " Mt. Vernon District, Grading, etc.....	4,000 00	"	
"	4	"	Primary School-house, Canterbury and Sharon Ste., Grading, etc., " " " " Furnishing.	6,000 00	"	
"	4	"	" " Eastle Street, Furnishing.....	4,000 00	"	
"	4	"	" " Morton Street, Grading, etc.....	4,000 00	"	
"	4	"	" " " " Furnishing.....	3,000 00	"	
"	4	"	" " Moulton Street, ".....	4,000 00	"	
"	4	"	" " North of Broadway, Furnishing.....	4,000 00	"	
"	4	"	" " Oak Square, Furnishing.....	1,000 00	"	
"	4	"	" " " " Grading, etc.....	3,500 00	"	
"	4	"	Sewer Outlet (low level), West Roxbury District.....	21,000 00	"	
"	4	"	Forest Avenue Section Temporary Sewer Outlet, etc.....	19,400 00	"	
"	4	"	Charles-river Bridge, Draw, etc.	8,100 00	"	
"	4	"	Public Library, West Church, Remodelling and furnishing.....	30,000 00	"	
"	4	"	South Drop, South Ferry, Boston side.....	8,000 00	"	
"	4	"	Charles-river Embankment.....	16,000 00	Oct.,	
Nov. 14, 1885.	3 1/2	"	City Point Park.....	13,000 00	"	
"	3 1/2	"	New Buildings, City Hospital.....	300,000 00	"	
Feb. 1, 1894.	4	"	House of Industry, Alterations and additions.....	50,000 00	"	
Sept. 27, 1895.	4	"	Parental School, New buildings and furnishing.....	50,000 00	"	
"	4	"	Extension of Columbus Avenue, etc.	87,000 00	"	
July 12, 1894.	4	"	New School-house, Ward 15.....	70,000 00	"	
Jan. 4, 1895.	4	"	Primary School-house, Aberdeen District, Building.....	30,000 00	"	
"	4	"	" " North and West Ends.....	45,000 00	"	
"	4	"	Gold Street Bridge.....	10,000 00	"	
<i>Carried forward</i>				\$1,120,050 00	\$25,548,150 66

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Feb. 11, 1890.	3½	Jan. and July....	<i>Brought forward.</i>	\$430,500 00	\$30,712,500 66
Jan. 4, 1887. }	4	" " ".....	Public Park Lands.....	600,000 00	Jan. 1920.	
Feb. 10, 1887. }	4	April and Oct.....	Public Park Construction.....	16,400 00	July, "	
Dec. 31, 1887.	4		" " ".....	44,100 00	Oct., "	1,100,000 00
Jan. 4, 1887. }	4	Jan. and July....	" " ".....	\$500,000 00	Jan., 1921.	
Feb. 10, 1887. }	4	June and Dec.....	Public Parks.....	700,000 00	June, "	
Dec. 31, 1887.	4		" " ".....	\$200,000 00	April, 1922.	1,200,000 00
May 20, 1891.	4	April and Oct.....	" " ".....	301,000 00	Oct., "	
" " ".....	4	" " ".....	Library Building, Dartmouth Street.....	175,000 00	" " "	
Oct. 24, 1891.	4		Public Parks.....	\$230,000 00	Jan., 1923.	676,000 00
May 20, 1891.	4	Jan. and July....	Library Building, Dartmouth Street.....	200,000 00	" " "	
Oct. 24, 1891.	4	" " ".....	Public Parks.....	500,000 00	July, "	
May " ".....	4	April and Oct.....	" " ".....	450,000 00	Oct., "	1,725,000 00
Oct. 24, 1891.	4	" " ".....	Library Building, Dartmouth Street.....	325,000 00	" " "	
May 20, 1891.	4	Jan. and July....	Public Parks.....	\$99,000 00	Jan., 1924.	
May 17, 1893.	4	" " ".....	Public Park, Wards 6 and 7.....	100,000 00	July, "	1,399,000 00
" " ".....	4	April and Oct.....	" " ".....	100,000 00	Oct., "	
Oct. 24, 1891.	4	" " ".....	Library Building, Dartmouth Street.....	100,000 00	" " "	
May 20, 1891. }	4		Public Parks.....	1,000,000 00	" " "	1,458,000 00
Oct. 23, 1893.	4	Jan. and July....	Public Parks.....	\$1,000,000 00	Jan. 2, 1925.	
June 8, 1894.	4	" " ".....	Library Building, Dartmouth Street.....	49,500 00	" 1, "	
Oct. 24, 1891.	4	April and Oct.....	Public Park, Wards 6 and 7.....	50,000 00	April, "	\$38,270,500 66
May 17, 1893.	4	" " ".....	" " ".....	206,000 00	Oct., "	
" " ".....	4	" " ".....	Library Building, Dartmouth Street.....	150,500 00	" " "	
Oct. 24, 1891.	4		<i>Carried forward.</i>	

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT.—Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
July 2, 1894. Chap. 548, Acts of 1894.	4	April and Oct....	<i>Brought forward</i> Charlestown Bridge.....	\$10,000 00	Oct. 1934.	\$38,270,500 66
	4	" "	Rapid Transit.....	50,000 00	" "	60,000 00
Chap. 548, Acts of 1894.	4	" "	Rapid Transit.....	\$1,000,000 00	April, 1935.	
Chap. 405, Acts of 1895.	4	Jan. and July....	School-houses.....	500,000 00	July, "	
May 11, 1895. Chap. 548, Acts of 1894.	4	" "	Blue Hill and other Avenues	1,000,000 00	" "	
	4	April and Oct....	Charlestown Bridge.....	10,000 00	Oct., "	2,510,000 00
Chap. 548, Acts of 1894.	3½	Jan. and July....	Rapid Transit.....	\$250,000 00	Jan., 1936.	250,000 00
Jan. 4, 1887. Feb. 10, 1887.	3½	" "	Public Park Construction... ..	\$500,000 00	" 1937.	500,000 00
			<i>Debt issued under authority of Chap. 323, Acts of 1891.</i>			\$41,590,500 66
May 20, 1891.	4	June and Dec....	Laying Out and Construction of Highways.....	\$50,000 00	June, 1901.	50,000 00
" "	4	April and Oct....	" " " "	\$25,800 00	April, 1902.	25,800 00
" "	4	Jan. and July....	" " " "	\$31,000 00	July, 1912.	
" "	4	April and Oct....	" " " "	243,200 00	Oct., "	274,200 00
" "	4	Jan. and July....	" " " "	\$150,000 00	Jan., 1913.	
Feb. 15, 1893.	4	" "	" " " "	350,000 00	July, "	
" "	4	April and Oct....	" " " "	150,000 00	Oct., "	650,000 00
			<i>Carried forward</i>			\$42,590,500 66

CHARACTER OF THE CITY OF BOSTON FUNDED DEBT. — *Concluded.*

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Dec. 30, 1893.	4	April and Oct.	<i>Brought forward</i> .....	.....	.....	\$42,590,500 00
" " "	4	Jan. and July.	Laying Out and Construction of Highways.....	\$200,000 00	April, 1914. July, "	
June 25, 1894.	4	" "	" " "	300,000 00	" " 1915.	500,000 00
" " "	4	" "	" " "	\$500,000 00	Jan., 1916.	500,000 00
			" " "	\$150,000 00		150,000 00
						<u>\$43,740,500 00</u>

CHARACTER OF COUNTY OF SUFFOLK FUNDED DEBT.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate	When Due.				
Sept. 16, 1885.	3	April and Oct.	COUNTY OF SUFFOLK FUNDED DEBT. Suffolk County Court-House.....	\$680,000 00		\$680,000 00
Feb. 16, 1890.	4	Jan. and July.....	Miscellaneous.....	\$55,000 00	Jan., 1899.	
" "	4	" "	House of Correction	9,000 00	" "	64,000 00
July 5, 1898. } Sept. 29, 1898. {	4	April and Oct.	Suffolk County Court-House.....	\$700,000 00	Oct., 1918.	700,000 00
Jan. 3, 1890.	3½	" "	Suffolk County Court-House.....	\$800,000 00	" 1919.	800,000 00
Aug. 25, 1892.	4	Jan. and July.....	Suffolk County Court-House.....	\$306,000 00	July, 1922.	
July 11, 1892.	4	" "	Suffolk County Court-House, Furnishing.....	100,000 00	" "	406,000 00
Oct. 27, 1893.	4	April and Oct.	Suffolk County Court-House, Furnishing.....	\$75,000 00	Oct., 1923.	75,000 00
July 6, 1894.	4	Jan. and July.....	Suffolk County Court-House.....	\$40,000 00	July, 1924.	40,000 00
May 20, 1897.	3½	April and Oct.	Suffolk County Court-House.....	\$800,000 00	April, 1937.	800,000 00
July 5, 1898.	3½	Jan. and July.....	Suffolk County Court-House.....	\$100,000 00	July, 1933.	100,000 00
						\$3,665,000 00

1 Payable \$17,000, yearly in October.

RECAPITULATION

Of the Objects for which the outstanding Funded Debt of the City of Boston was contracted.

Bridges	8384,000 00
Improved Sewerage	6,241,650 00
New Bridge to Cambridge	250,000 00
New Bridge to Charlestown	20,000 00
Ordinary expenditures	1,121,000 00
Public Buildings, <i>exclusive of school-houses</i>	5,794,613 63
Public Squares, etc.	55,500 00
Public Parks	11,288,500 00
Public Lands	1,000 00
School-houses and Sites	8,525,422 07
Sewers	1,536,400 00
Stony-brook Improvement	880,000 00
Widening, extending, grading and building streets, etc., viz. :	
Miscellaneous	88,192,414 96
Laying Out and Construction of Highways,	2,150,000 00
Rapid Transit	1,300,000 00
Blue Hill and other Avenues	1,000,000 00
	<hr/>
	12,642,414 96
	<hr/>
	<u><u>\$48,740,500 66.</u></u>

COCHITUATE WATER DEBT, JAN. 31, 1896.

In addition to the City Debt, as heretofore stated, there exist loans made on account of the Cochituate Water-Works, viz.:

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans,	When Due.	Total for Years.
	\$	cts.				
May 28, 1867.	6		Chestnut-Hill Reservoir.....	\$300,000 00	Dec., 1897.	\$500,000 00
Nov. 26, 1867.	6		" "	200,000 00	" "	
April 21, 1868.	6		" "	\$250,000 00	June, 1898.	990,000 00
" "	6		Water-Works, Wards 13, 14, 15, Roxbury.....	200,000 00	" "	
June 29, 1868.	6		Chestnut-Hill Reservoir.....	540,000 00	Oct., "	
Dec. 15, 1868.	6		Water-Works, Wards 13, 14, 15.....	\$250,000 00	April, 1899.	250,000 00
July 2, 1870.	6		Chestnut-Hill Reservoir.....	\$250,000 00	Jan., 1901.	1,643,000 00
July 19, 1870.	6		Water-Works, Ward 16, Dorchester.....	375,000 00	" "	
March 21, 1871.	6		Renewal of Loan, due 1870-71.....	688,000 00	April, "	
June 27, 1871.	6		Water-Works, Wards 13, 14, 15, and 16.....	300,000 00	July, "	
" "	6		High-Service, South Boston.....	30,000 00	" "	
April 12, 1872.	6		Additional Supply of Water.....	\$100,000 00	July, 1902.	2,047,273 96
April 26, 1872.	5		Renewal of Loan, due 1872-73 (£399,600 sterling).....	1,947,273 96	Oct., "	
April 11, 1873.	6		Additional Supply of Water.....	\$492,000 00	April, 1903.	906,000 00
June 6, 1873.	6		Parker-Hill Reservoir.....	161,000 00	" "	
" "	6		Water-Works, Wards 13, 14, 15, and 16.....	115,000 00	" "	
Dec. 20, 1873.	6		Water-Works	137,000 00	" "	
			Carried forward.....			\$6,335,273 96

COCHITUATE WATER DEBT.

187

COCHITUATE WATER DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
April 11, 1873.	6	Jan. and July.....	<i>Brought forward</i>			\$6,355,273 98
Dec. 20, 1873.	6	April and Oct.....	Additional Supply of Water	\$8,000 00	Jan., 1904.	
			Water-Works	38,000 00	April, "	46,000 00
June 6, 1874.	6	Jan. and July.....	Water-Works, Wards 13, 14, 15, and 16, and extension to Wards 17 and 19 (West Roxbury and Brighton)	\$60,000 00	Jan., 1903.	
Dec. 24, 1874.	6	"	Water Pipes, Wards 17 and 19	101,000 00	" "	
April 30, 1875.	6	April and Oct.....	"	99,000 00	April, "	
Feb. 26, 1875.	6	"	"	48,700 00	" "	
"	6	Jan. and July.....	Additional Supply of Water.....	44,000 00	July, "	
April 30, 1875.	5	April and Oct.....	"	1,000,000 00	Oct., "	
	6	"	Water-Works, Wards 17 and 19.....	6,000 00	" "	1,353,700 00
"	6	Jan. and July.....	Water-Works, Wards 17 and 19	\$30,300 00	Jan., 1906.	
Dec. 31, 1875.	6	"	"	32,250 00	" "	
"	5	April and Oct.....	"	100,000 00	April, "	
"	6	"	"	8,750 00	" "	
Feb. 26, 1875.	5	"	Additional Supply of Water	452,000 00	" "	
Dec. 31, 1875.	6	"	Water-Works, Wards 17 and 19.....	4,000 00	Oct., "	
July 1, 1876.	5	"	Additional Supply of Water	2,000,000 00	" "	2,647,300 00
Dec. 31, 1875.	6	Jan. and July.....	Water-Works, Wards 17 and 19	\$8,000 00	Jan., 1907.	
"	6	April and Oct.....	"	6,000 00	April, "	
"	6	Jan. and July.....	"	1,000 00	July, "	
"	5	April and Oct.....	"	1,000 00	Oct., "	16,000 00
April 20, 1878.	4	"	Additional Supply of Water.....	\$588,000 00	April, 1908.	
"	5	"	"	12,000 00	" "	600,000 00
			<i>Carried forward</i>			\$10,997,273 98

COCHITUATE WATER DEBT.

COCHITUATE WATER DEBT. — Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
April 11, 1879.	4	Jan. and July....	<i>Brought forward</i>.....	.....	.....	\$10,997,273 98 •
" " "	4½	April and Oct....	Additional Supply of Water	\$82,000 00	July, 1909.	
March 20, 1880.	4	" "	" "	268,000 00	Oct., "	350,000 00
Aug. 17, 1881.	4	" "	New Main	\$280,000 00	April, 1910.	280,000 00
March 3, 1883.	4	" "	Additional Supply of Water	\$324,000 000	April, 1912.	324,000 00
June 2, 1883.	4	Jan. and July....	New Main	\$61,000 00	July, 1913.	
" " "	4	" "	Introduction of Meters and Inspection	60,000 00	" " "	
" " "	4	April and Oct....	Additional Supply of Water	336,000 00	Oct. "	447,000 00
Jan. 4, 1884.	4	Jan. and July ...	Introduction of Meters and Inspection.....	\$250,000 00	Jan., 1914.	
June 2, 1883.	4	" "	" "	7,000 00	" " "	
" " "	4	" "	Additional Supply of Water	209,000 00	" " "	
" " "	4	April and Oct....	" "	18,500 00	April, "	
" " "	4	" "	" "	16,000 00	Oct., "	500,500 00
Dec. 23, 1884.	4	Jan. and July	High Service	\$50,000 00	Jan., 1915.	
" " "	4	April and Oct....	" "	144,200 00	April "	
June 2, 1883.	4	" "	Additional Supply of Water.....	1,500 00	" " "	
March 5, 1885.	3½	" "	Extension of Mains	50,100 00	" " "	
" " "	3½	" "	" "	60,000 00	Oct., "	
Dec. 23, 1884.	4	" "	High Service.....	23,000 00	" " "	318,700 00
March 5, 1885.	3½	Jan. and July....	Extension of Mains, etc.....	\$100,000 00	Jan., 1916.	
			<i>Carried forward</i>	\$100,000 00	.....	\$13,217,473 98

COCHITUATE WATER DEBT.—Continued.

Dates of Orders of Loans.	Interest.		Objects of the Loan.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Dec. 23, 1884.	4	Jan. and July	<i>Brought forward</i>	\$100,000 00	\$13,217,473 98
" " "	4	April and Oct.	"	58,000 00	Jan., 1916.	
Oct. 14, 1884.	4	" "	"	24,000 00	April, " "	
April 17, 1880.	3½	Jan. and July	Additional Supply of Water	100,000 00	July, " "	
" " "	3½	April and Oct.	"	75,000 00	Oct., " "	
Oct. 14, 1884.	4	" "	Additional Supply of Water	25,000 00	" " "	672,800 00
Dec. 23, 1884.	4	" "	High Service	50,000 00	" " "	
" " "	4	" "	"	236,300 00	" " "	
" " "	4	Jan. and July	High Service	\$21,000 00	Jan., 1917.	
Jan. 1, 1887.	4	April and Oct.	"	161,000 00	April, " "	
May 28, 1887.	3	" "	Extension of Main, etc.	200,000 00	" " "	
" " "	3½	" "	Additional Supply of Water	35,000 00	" " "	
" " "	3½	" "	Improvement of Lake Cochituate	40,000 00	" " "	
" " "	3½	" "	Protection of Water Supply	50,000 00	" " "	
" " "	3½	" "	Extension of Water Supply	180,000 00	" " "	
Dec. 23, 1884.	4	Jan. and July	High Service	7,000 00	July, " "	924,700 00
" " "	4	April and Oct.	"	10,700 00	Oct., " "	
Oct. 15, 1887.	4	" "	"	150,000 00	" " "	
" " "	4	" "	Extension of Main, etc.	" " "	" " "	
Dec. 23, 1884.	4	Jan. and July	High Service	\$20,000 00	Jan., 1918.	226,300 00
" " "	4	April and Oct.	"	6,300 00	April, " "	
June 4, 1888.	3½	Jan. and July	Extension of Main, etc.	100,000 00	July, " "	
Sept. 29, 1888.	4	April and Oct.	"	100,000 00	Oct., " "	
April 15, 1889.	4	" "	Extension of Main, etc.	\$200,000 00	April, 1919.	775,000 00
Nov. 13, 1889.	3½	" "	Additional Supply of Water	145,000 00	Oct., " "	
" " "	4	" "	"	300,000 00	" " "	
" " "	4	May and Nov.	Extension of Main, etc.	130,000 00	Nov., " "	
" " "	3½	" "	"	" " "	" " "	
			<i>Carried forward</i>	\$15,716,273 98

COCHITUATE WATER DEBT.

COCHITUATE WATER DEBT.—Concluded.

Dates of Orders of Loans.	Interest.		Objects of the Loans.	Amounts of Loans.	When Due.	Total for Years.
	Rate.	When Due.				
Nov. 13, 1889.	3½	Jan. and July.....	<i>Brought forward</i>			
Jan. 3, 1890.	3½	" ".....	Extension of Mains, etc.....	\$20,000 00	Jan., 1920.	\$15,716,273 98
Mar. 1, 1890.	3½	" ".....	High Service.....	100,000 00	" ".....	
Oct. 13, 1890.	4	April and Oct.....	" ".....	100,000 00	Oct., ".....	
Nov. 13, 1889.	4	" ".....	Extension of Mains, etc.....	250,000 00	" ".....	
			Additional Supply of Water.....	134,000 00		604,000 00
June 27, 1891.	4	" ".....	Extension of Mains, etc.....	\$100,000 00	April, 1921.	
Nov. 13, 1889.	4	" ".....	Additional Supply of Water....	102,500 00	Oct., ".....	202,500 00
Jan. 23, 1892.	4	Jan. and July.....	Extension of Mains, etc.....	\$100,000 00	Jan., 1922.	
June 1, 1892.	4	April and Oct.....	High Service.....	75,000 00	April, ".....	
Nov. 13, 1889.	4	" ".....	Additional Supply of Water.....	283,000 00	Oct., ".....	458,000 00
Nov. 13, 1889.	4	" ".....	Additional Supply of Water.....	\$20,500 00	Oct., 1923.	
April 26, 1893.	4	" ".....	" ".....	555,775 00	" ".....	576,275 00
April 26, 1893.	4	" ".....	" ".....	\$644,225 00	Oct., 1924.	644,225 00
						<u>\$18,261,273 98</u>

RECAPITULATION

Of the Objects for which the outstanding Funded Cochituate Water Debt of the City of Boston was contracted.

Additional Supply of Water	\$8,381,000 00
Renewal of Loan due 1872-73, obtained for the original construction of the works	1,947,273 98
Chestnut-Hill Reservoir	1,540,000 00
Water-Works, Boston Highlands	450,000 00
Renewal of Loan due 1870-71, obtained for the original construction of the works	688,000 00
Water-pipes and Water-Works, West Boston and Brighton Districts	460,000 00
Water-Works, Boston Highlands and Dorchester District	415,000 00
Water-Works, Dorchester District	375,000 00
New Main	341,000 00
Introduction of Meters and Inspection	307,000 00
Water-Works, 1873	175,000 00
Parker-Hill Reservoir	161,000 00
High Service	1,041,000 00
Water-Works, Boston Highlands and Dorchester Districts, and Extension to West Roxbury and Brighton Districts	60,000 00
Extension of Mains	1,800,000 00
High Service, South Boston	80,000 00
Improvement of Lake Cochituate	40,000 00
Protection of Water Supply	50,000 00
	<hr/>
	\$18,261,273 98

THE INDEBTEDNESS OF THE CITY OF BOSTON.

The amount of the Consolidated Funded Debt of the City and County, including Water Debt, on the 31st of January, 1896, was \$65,666,774.64, and made up of the following items :

	Inside of Debt Limit.	Outside of Debt Limit.	Totals.
City Debt.....	\$27,740,500 66	\$16,000,000 00	\$43,740,500 66
Cochituate Water Debt.....		18,261,273 98	18,261,273 98
	\$27,740,500 66	\$34,261,273 98	\$62,001,774 64
County Debt.....	744,000 00	2,921,000 00	3,665,000 00
Total Funded Debt of City and County.....	\$28,484,500 66	\$37,182,273 98	\$65,666,774 64

Interest due on above Debt as follows :

	April.	May.	June.	July.	October.	November.	December.	January.	Totals.
City Debt....	\$397,966	.....	\$14,000	\$411,463	\$409,666	.....	\$14,000	\$411,463	\$1,658,558
Water Debt..	368,735	\$2,275	.....	67,749	368,735	\$2,275	.....	67,749	877,518
County Debt,	53,700	.....	.....	11,950	53,700	.....	.....	11,950	131,300
Laying Out and Con- struction of High- w'ys Debt }	12,380	.....	1,000	29,620	12,350	.....	1,000	29,620	86,000
Rapid Tran- sit	21,000	.....	.....	4,375	21,000	.....	.....	4,375	50,750
Blue Hill and other Avenues...	.....	.....	.....	20,000	.....	.....	.....	20,000	40,000
Totals	\$853,781	\$2,275	\$15,000	\$545,157	\$865,481	\$2,275	\$15,000	\$545,157	\$2,844,126

GROSS FUNDED AND NET DEBT OF THE CITY OF BOSTON.

[From 1822 to 1896, both inclusive.]

The following table exhibits the total consolidated *gross funded and net debt and redemption means* of the city for each year from the commencement to January 31, 1896, inclusive. At the commencement of the City Government, in 1822, the debt which had been contracted by the town was for the erection of a Court-House and prisons in Leverett street.

	Gross Funded Debt.	Sinking Funds, etc.	Net Funded Debt.
April 30, 1822.....	\$100,000 00		\$100,000 00
May 31, 1823.....	103,550 00	33,267 27	100,282 73
" 1824.....	207,050 00	3,254 61	203,795 39
" 1825.....	305,873 85		305,873 85
April 30, 1826.....	364,800 32	145,980 93	218,819 39
" 1827.....	1,011,775 00	299,096 88	712,678 62
" 1828.....	949,350 00	279,124 85	670,225 15
" 1829.....	911,850 00	267,505 76	644,344 24
" 1830.....	891,930 75	228,028 50	663,902 45
" 1831.....	880,330 75	234,095 69	646,235 06
" 1832.....	817,123 93	175,734 75	641,389 18
" 1833.....	940,358 28	164,605 22	775,753 06
" 1834.....	1,078,088 28	153,636 46	924,451 82
" 1835.....	1,147,398 97	102,075 55	1,045,323 42
" 1836.....	1,264,400 00	182,245 56	1,082,154 44
" 1837.....	1,497,200 00	217,955 45	1,279,244 55
" 1838.....	1,491,400 00	97,436 60	1,393,963 40
" 1839.....	1,596,600 00	93,931 59	1,502,668 41
" 1840.....	1,698,232 56	171,439 81	1,526,793 25
" 1841.....	1,663,800 00	90,349 56	1,573,450 44
" 1842.....	1,594,700 00	88,930 79	1,505,769 21
" 1843.....	1,518,700 00	134,389 31	1,384,310 69
" 1844.....	1,423,800 00	302,149 09	1,121,650 91
" 1845.....	1,163,266 62	378,400 45	784,866 17
" 1846.....	1,153,713 16	717,610 79	436,102 37
" 1847.....	1,296,626 98	800,977 82	495,649 16
" 1848.....	3,452,606 37	478,213 28	2,974,393 09
" 1849.....	5,334,846 54	388,396 02	4,946,450 52
" 1850.....	6,195,144 35	310,259 40	5,884,884 95
" 1851.....	6,801,541 35	473,634 98	6,327,906 37
" 1852.....	7,110,679 70	489,065 22	6,621,614 48
" 1853.....	7,859,435 66	872,674 15	6,986,761 51
" 1854.....	7,799,853 32	1,411,858 00	6,387,997 32
" 1855.....	7,151,149 77	1,042,977 90	6,108,171 87
" 1856.....	7,107,149 77	1,088,483 92	6,018,665 85
" 1857.....	7,259,299 77	1,054,976 27	6,204,323 50
" 1858.....	8,101,199 77	1,108,147 09	6,993,052 68
" 1859.....	8,954,649 77	1,331,565 05	7,623,084 72
" 1860.....	8,491,599 77	967,175 69	7,524,424 08
" 1861.....	8,894,499 77	988,922 61	7,905,577 16
" 1862 — War debt in- cluded this year and after.....	9,031,207 77	851,659 08	8,179,548 69
" 1863.....	10,335,857 77	1,190,901 13	9,144,956 64
" 1864.....	11,015,732 77	1,463,187 67	9,552,545 10
" 1865.....	11,371,942 57	1,621,255 41	9,750,687 16
" 1866.....	11,892,375 91	3,039,590 32	8,852,785 59
" 1867.....	12,998,559 91	4,440,278 32	8,558,281 59
" 1868 — Roxbury debt included..	14,011,656 91	5,199,369 72	8,812,287 19
" 1869.....	16,959,500 91	6,869,989 11	10,089,511 80
" 1870 — Dorchester debt included..	18,687,350 91	9,215,831 25	9,471,519 66
" 1871.....	26,472,916 80	11,632,959 91	14,839,956 89
" 1872.....	28,628,535 82	12,849,159 81	15,779,376 51
" 1873.....	30,553,116 80	13,926,777 92	16,626,338 88

194 GROSS FUNDED AND NET DEBT OF THE CITY OF BOSTON.

	Gross Funded Debt.	Sinking Funds, etc.	Net Funded Debt.
April 30, 1874 — Charlestown, Brighton, and W. Roxbury debts included . .	\$42,890,785 77	\$15,417,572 75	\$27,473,213 02
" 1875	43,414,829 99	16,218,402 92	27,196,427 07
" 1876	43,848,835 73	16,880,387 41	26,968,448 32
" 1877	43,590,497 30	16,109,973 55	27,480,523 75
" 1878	42,457,022 47	16,297,245 80	26,159,776 67
" 1879	42,359,816 23	16,130,150 42	26,229,665 81
" 1880	42,030,125 36	14,188,021 08	27,842,104 28
" 1881	40,949,332 18	14,943,711 59	26,005,620 59
" 1882	40,079,312 04	15,901,650 44	24,177,661 60
" 1883	41,184,358 12	16,422,541 43	24,761,816 69
" 1884	43,185,669 07	16,933,174 61	26,252,494 46
" 1885	42,962,180 02	18,365,600 11	24,596,579 91
" 1886 — County debt included	43,628,322 04	18,915,502 44	24,712,819 60
" 1887	46,799,962 72	20,312,079 64	26,487,883 08
" 1888	48,993,803 45	21,632,559 02	27,361,244 43
" 1889	49,920,475 25	22,266,285 21	27,654,190 04
" 1890	53,930,095 22	22,854,262 98	31,075,832 24
" 1891	55,861,980 06	24,519,341 59	31,342,638 47
Jan. 31, 1892	56,003,997 35	25,569,706 32	30,434,291 03
" 1893	56,908,148 04	25,999,268 80	30,908,879 24
" 1894	54,418,535 36	20,908,860 58	33,509,674 78
" 1895	59,337,964 93	22,206,541 20	37,131,423 73
" 1896	65,666,774 64	24,973,421 92	40,693,352 72

DEBT ISSUED

In Each Financial Year between 1822 and 1865-66, and in Each Calendar Year since 1865-66.

1822 (town debt)	\$100,000 00	1859-60	\$735,800 00
1822-3	3,550 00	1860-1	992,700 00
1823-4	103,500 00	1861-2	775,000 00
1824-5	283,257 75	1862-3	1,604,850 00
1825-6	318,685 32	1863-4	850,000 00
1826-7	873,475 10	1864-5	639,709 80
1827-8	181,000 00	1865-6	712,150 00
1828-9	147,250 00	1866	1,499,000 00
1829-30	295,480 75	1867	1,037,175 00
1830-1	281,000 00	1868	2,937,000 00
1831-2	199,743 18	1869	531,500 00
1832-3	466,592 53	1870	3,561,500 00
1833-4	593,044 00	1871	5,238,000 00
1834-5	744,626 69	1872	2,981,000 00
1835-6	707,186 03	1873	7,255,176 65
1836-7	359,304 65	1874	4,478,500 00
1837-8	217,300 00	1875	2,206,200 00
1838-9	283,200 00	1876	3,533,300 00
1839-40	478,332 56	1877	667,000 00
1840-1	345,000 00	1878	1,349,000 00
1841-2 . . . . .	. . . . .	1879	1,890,000 00
1842-3 . . . . .	. . . . .	1880	2,701,000 00
1843-4 . . . . .	. . . . .	1881	123,000 00
1844-5	11,566 62	1882	2,078,500 00
1845-6	110,013 16	1883	3,278,500 00
1846-7	297,860 32	1884	1,837,500 00
1847-8	1,419,683 39	1885	1,742,700 00
1848-9	1,085,367 51	1886	3,838,800 00
1849-50	528,371 23	1887	3,324,700 00
1850-1	1,195,285 00	1888	1,529,300 00
1851-2	1,180,513 05	1889	3,784,000 00
1852-3	2,349,353 66	1890	5,462,000 00
1853-4	944,118 00	1891	2,716,500 00
1854-5	306,500 00	1892	2,977,800 00
1855-6	158,100 00	1893	6,115,525 00
1856-7	431,900 00	1894	5,808,800 00
1857-8	1,168,400 00	1895	6,284,150 00
1858-9	1,232,950 00		

COCHITUATE WATER DEBT, GROSS AND NET.

At the Close of each Fiscal Year.

Fiscal Year.	Gross Debt.	Sinking-Funds.	Net Debt.
1847-48	\$2,129,056 32 ¹	.....	\$2,129,056 32
1848-49	3,787,328 98	.....	3,787,328 98
1849-50	4,463,205 56	.....	4,463,205 56
1850-51	4,955,613 51	.....	4,955,613 51
1851-52	5,209,223 26	.....	5,209,223 26
1852-53	5,972,976 11	.....	5,972,976 11
1853-54	5,432,261 11	.....	5,432,261 11
1854-55	5,403,961 11	.....	5,403,961 11
1855-56	5,230,961 11	.....	5,230,961 11
1856-57	5,031,961 11	.....	5,031,961 11
1857-58	4,724,961 11	.....	4,724,961 11
1858-59	4,754,461 11	.....	4,754,461 11
1859-60	3,846,211 11	.....	3,846,211 11
1860-61	3,455,211 11	.....	3,455,211 11
1861-62	3,012,711 11	.....	3,012,711 11
1862-63	2,992,711 11	.....	2,992,711 11
1863-64	2,992,711 11	.....	2,992,711 11
1864-65	2,942,711 11	.....	2,942,711 11
1865-66	3,152,711 11	.....	3,152,711 11
1866-67	3,370,711 11	.....	3,370,711 11
1867-68	3,867,711 11	.....	3,867,711 11
1868-69	5,107,711 11	.....	5,107,711 11
1869-70	5,731,711 11	.....	5,731,711 11
1870-71	6,482,711 11	\$1,100,000 00	5,382,711 11
1871-72	6,812,711 11	1,185,049 67	5,627,661 44
1872-73	6,912,711 11	1,268,234 97	5,644,476 14
1873-74	7,863,711 11	1,372,953 62	6,490,757 49
1874-75	8,123,711 11	1,533,890 28	6,589,820 83
1875-76	9,735,711 11	1,560,917 83	8,174,793 28
1876-77	11,548,711 11	1,709,492 60	9,839,218 51
1877-78	11,545,273 98	2,043,764 73	9,501,509 25
1878-79	11,753,273 98	2,143,847 85	9,609,426 13
1879-80	11,697,273 98	1,771,692 92	9,925,581 06
1880-81	11,631,273 98	1,989,300 88	9,641,973 10
1881-82	11,631,273 98	2,281,857 89	9,349,416 09
1882-83	11,955,273 98	2,607,768 46	9,347,505 52
1883-84	12,882,273 98	2,746,505 58	10,135,768 40
1884-85	13,045,473 98	3,106,323 82	9,939,150 16
1885-86	13,491,473 98	3,385,201 26	10,106,272 72
1886-87	14,142,273 98	3,947,616 92	10,194,657 06
1887-88	14,741,273 98	4,373,304 09	10,367,969 89
1888-89	14,941,273 98	4,864,092 54	10,077,181 44
1889-90	15,696,273 98	5,440,819 47	10,255,454 51
1890-91	16,267,773 98	5,979,297 80	10,288,476 18
1891-92	16,423,773 98	6,471,545 34	9,952,228 64
1892-93	16,758,773 98	7,019,058 38	9,739,715 60
1893-94	17,055,273 98	7,649,504 87	9,405,769 11
1894-95	17,761,273 98	8,444,773 55	9,316,500 43
1895-96	18,261,273 98	9,099,966 39	9,161,307 59

¹ No account taken of amounts borrowed temporarily from 1846 to 1852 and afterwards funded by the issue of the water bonds that figure in this statement.

LOANS AUTHORIZED BY SPECIAL STATUTES

Outside of Debt Limit other than for Water-Works.

Year.	Chap.	Date of Approval.	Object.	Amount Authorized.	Amount Issued.
1886..	304..	June 21, 1886..	Public Park Construction.....	\$2,500,000 00	\$2,500,000 00
1887..	101..	Mar. 21, 1887..	Suffolk County Court-House ¹..	.....	2,821,000 00
1887..	282..	May 18, 1887..	Harvard Bridge.....	250,000 00	250,000 00
1887..	312..	May 26, 1887..	Public Park Lands.....	400,000 00	400,000 00
1887..	394..	June 11, 1887..	Sewer, Tremont street.....	² 75,000 00	
1887..	428..	June 16, 1887..	Stony-Brook Improvement....	500,000 00	500,000 00
1888..	392..	May 23, 1888..	Public Park Lands.....	600,000 00	600,000 00
1889..	68..	Mar. 1, 1889..	New Library Building.....	1,000,000 00	1,000,000 00
1889..	254..	April 12, 1889..	West Chester Park Extension..	³ 75,000 00	
1889..	283..	April 20, 1889..	Congress-st. and Oliver-st. Extension	² 500,000 00	
1889..	322..	May 9, 1889..	Improved Sewerage.....	500,000 00	500,000 00
1890..	271 {	May 5 and {	Public Parks, Charlestown. ...	200,000 00	200,000 00
	444 }	June 28, 1890 }			
1891..	301..	May 7, 1891..	Public Parks.....	3,500,000 00	3,500,000 00
1891..	324..	May 11, 1891..	New Library Building.....	1,000,000 00	1,000,000 00
1891..	323..	May 11, 1891..	Laying Out and Construction of Highways ⁴.....	.....	2,150,000 00
1892..	288..	May 9, 1892..	Suffolk County Court-House, Furnishing.....	100,000 00	100,000 00
1893..	478..	June 10, 1893..	Subway.....	2,000,000 00	
1894..	396..	May 17, 1894..	Public Parks.....	1,000,000 00	1,000,000 00
1894..	548..	July 2, 1894..	Rapid Translt.....	7,000,000 00	1,300,000 00
1895..	334..	May 11, 1895..	Blue Hill and other Avenues...	2,500,000 00	1,000,000 00
1895..	408..	May 24, 1895..	School-Houses.....	⁴ 500,000 00	500,000 00

¹ \$2,500,000 in addition to the cost of land. Cost of land, \$1,056,460.60; \$2,821,000 authorized by City Council.

² Never approved by City Council.

³ Not exceeding \$1,000,000 each year — debt authorized in 1891 (\$500,000) inside of debt limit; debt authorized hereafter will be outside of debt limit.

⁴ Also \$1,700,000 inside the debt limit.

PREMIUMS RECEIVED ON BONDS SOLD.

From January, 1874 (date of last annexation), to January 31, 1896.

1875-76.

\$900,000 — 30 years to run, 5% at	. . . . .	108.30
100,000 — 30 years to run, 5% at	. . . . .	109.00
552,000 — 30 years to run, 5% at	. . . . .	110.57

1876-77.

\$2,000,000 — 30 years to run, 5% at	111.07
--------------------------------------	-----------	--------

1879-80.

\$450,000 — 10 years to run, 4½% at	. . . . .	102.79
20,000 — 30 years to run, 4 % at	. . . . .	100.9375

1882-83.

\$324,000 — 30 years to run, 4% at	108.05
------------------------------------	-----------	--------

1883-84.

\$500,000 — 20 years to run, 4% at	. . . . .	104.41
500,000 — 20 years to run, 4% at	. . . . .	107.21
700,000 — 30 years to run, 4% at	. . . . .	105.67
950,000 — 30 years to run, 4% at	. . . . .	109.30

1886-87.

624,000 — 10 years to run, 3½% at	. . . . .	102.125
500,000 — 50 years to run, 3½% at	. . . . .	111.52

1887-88.

\$400,000 — 50 years to run, 3½% at	. . . . .	100.64
400,000 — 50 years to run, 3½% at	. . . . .	101.36

675,000 — 30 years to run, $3\frac{1}{2}\%$ at	100.25
650,000 — 30 years to run, $4\frac{1}{2}\%$ at	103.27
450,000 — 30 years to run, $4\frac{1}{2}\%$ at	104.53

1888-89.

\$100,000 — 30 years to run, $3\frac{1}{2}\%$ at	100.125
800,000 — 30 years to run, $4\frac{1}{2}\%$ at	105.835
450,000 — 30 years to run, $4\frac{1}{2}\%$ at	111.299
769,900 — 10 years to run, $4\frac{1}{2}\%$ at	103.27
480,000 — 10 years to run, $4\frac{1}{2}\%$ at	101.797

1889-90.

\$200,000 — 30 years to run, $4\frac{1}{2}\%$ at	113.437
500,000 — 30 years to run, $3\frac{1}{2}\%$ at	100.41
245,000 — 30 years to run, $3\frac{1}{2}\%$ at	101.65
900,000 — 30 years to run, $3\frac{1}{2}\%$ at	101.176
400,000 — 30 years to run, $4\frac{1}{2}\%$ at	111.399
600,000 — 30 years to run, $3\frac{1}{2}\%$ at	100.09
1,037,000 — 10 years to run, $3\frac{1}{2}\%$ at	101.15
574,000 — 10 years to run, $4\frac{1}{2}\%$ at	104.281

1890-91.

\$300,000 — 30 years to run, $4\frac{1}{2}\%$ at	109.41
250,000 — 30 years to run, $4\frac{1}{2}\%$ at	103.32
500,000 — 30 years to run, $4\frac{1}{2}\%$ at	104.036
870,000 — 10 years to run, $4\frac{1}{2}\%$ at	101.57
297,000 — 10 years to run, $4\frac{1}{2}\%$ at	103.26

1891-92.

\$177,000 — 20 years to run, $4\frac{1}{2}\%$ at	101.
323,000 — 20 years to run, $4\frac{1}{2}\%$ at	100.75
250,000 — 30 years to run, $4\frac{1}{2}\%$ at	101.25
100,000 — 30 years to run, $4\frac{1}{2}\%$ at	100.875
350,000 — 30 years to run, $4\frac{1}{2}\%$ at	101.125
100,000 — 30 years to run, $4\frac{1}{2}\%$ at	100.55
50,000 — 30 years to run, $4\frac{1}{2}\%$ at	101.13
50,000 — 30 years to run, $4\frac{1}{2}\%$ at	101.50

1892-93.

\$962,000 — 20 years to run, $4\frac{1}{2}\%$ at	104.58
100,000 — 30 years to run, $4\frac{1}{2}\%$ at	106.275
335,000 — 30 years to run, $4\frac{1}{2}\%$ at	107.51
665,000 — 20 years to run, $4\frac{1}{2}\%$ at	107.51
150,000 — 20 years to run, $4\frac{1}{2}\%$ at	104.45

1893-94.

\$250,000 — 30 years to run, $4\frac{1}{2}\%$ at	106.53
200,000 — 30 years to run, $4\frac{1}{2}\%$ at	103.796
300,000 — 30 years to run, $4\frac{1}{2}\%$ at	105.317
10,000 — 30 years to run, $4\frac{1}{2}\%$ at	102.1099
3,000 — 30 years to run, $4\frac{1}{2}\%$ at	102.
765,000 — 30 years to run, $4\frac{1}{2}\%$ at	101.389
75,000 — 30 years to run, $4\frac{1}{2}\%$ at	101.
125,000 — 30 years to run, $4\frac{1}{2}\%$ at	100.13
400,000 — 20 years to run, $4\frac{1}{2}\%$ at	104.45
34,000 — 20 years to run, $4\frac{1}{2}\%$ at	102.
150,000 — 20 years to run, $4\frac{1}{2}\%$ at	101.686
399,000 — 20 years to run, $4\frac{1}{2}\%$ at	101.556
5,000 — 20 years to run, $4\frac{1}{2}\%$ at	101.50
137,000 — 20 years to run, $4\frac{1}{2}\%$ at	101.
219,000 — 20 years to run, $4\frac{1}{2}\%$ at	100.75
260,000 — 20 years to run, $4\frac{1}{2}\%$ at	100.539
160,000 — 20 years to run, $4\frac{1}{2}\%$ at	100.53
5,000 — 20 years to run, $4\frac{1}{2}\%$ at	100.5099
75,000 — 20 years to run, $4\frac{1}{2}\%$ at	100.50

1894-95.

\$1,000,000 — 30 years to run, 4% at	.	.	.	.	.	113.555
1,000,000 — 30 years to run, 4% at	.	.	.	.	.	113.513
300,000 — 20 years to run, 4% at	.	.	.	.	.	110.645

1895-96.

\$1,000,000 — 40 years to run, 4 % at	.	.	.	.	.	113.91
1,000,000 — 40 years to run, 4 % at	.	.	.	.	.	112.938
500,000 — 30 years to run, 4 % at	.	.	.	.	.	112.938
500,000 — 20 years to run, 4 % at	.	.	.	.	.	112.938
1,000,000 — 20 years to run, 4 % at	.	.	.	.	.	103.679
250,000 — 40 years to run, 3½ % at	.	.	.	.	.	100.625

COCHITUATE WATER-WORKS.

EXPENDITURES TO JANUARY 31, 1896.

	From Loans.	From Revenue.	From Taxes.	Totals.
Original cost of Works.....	\$5,430,711 11			\$5,430,711 11
Chestnut-Hill Reservoir.....	2,449,982 07			2,449,982 07
New Mains:				
From Brookline Reservoir.....	304,991 83			304,991 83
From Chestnut-Hill Reservoir.....	350,000 00			350,000 00
Additional Supply:				
Improvement of Lake Cochituate.....	78,634 04			78,634 04
Miscellaneous.....	8,462,053 52	\$922,292 52	\$10,000 00	9,394,346 04
High Service:				
To South Boston.....	26,832 25			26,832 25
Parker-Hill Reservoir.....	161,000 00		67,246 17	228,246 17
Miscellaneous.....	915,312 44			915,312 44
Shops, Albany street.....	60,000 00			60,000 00
Extensions:				
Water to Deer Island.....	75,000 00			75,000 00
New Mains to East Boston.....			24,878 08	24,878 08
New Water-pipes, East Boston.....			20,999 43	20,999 43
Water Works, Wards 13, 14, and 15.....	700,000 00	983 03		700,983 03
Water-Works, Ward 16.....	375,000 00			375,000 00
" Wards 13, 14, 15, and 16.....	415,000 00		4,885 15	419,885 15
Water-Works, Wds. 17 and 19.....	460,000 00	\$10,570 00	5,749 11	476,319 11
" Wards 13, 14, 15, and 16, and extensions to Wards 17 and 19.....	60,000 00		44,250 89	104,250 89
Siphon, Charles River.....			26,532 35	26,532 35
Extension of Mains.....	1,900,000 00	\$883,314 01		2,783,314 01
Water-Meters:				
Introduction of Meters and Inspection.....	330,000 00			330,000 00
General Account.....	215,175 92	34,891,915 94	1,554,470 73	36,661,562 59
Totals.....	\$22,769,693 18	\$36,709,075 50	\$1,759,011 91	\$61,237,780 59
Total amount of Loans issued to January 31, 1896.....				\$22,769,711 11
Payments as above.....		\$22,769,693 18		
Payments to Sinking Fund.....			17 93	
				<u>22,769,711 11</u>

Wards 13, 14, and 15 comprised the city of Roxbury.

Ward 16 comprised the town of Dorchester.

" 17 " " " West Roxbury.

" 19 " " " Brighton.

¹ Includes \$352,846.80 Premium on Loans.

² Includes \$373,449.95 Mystic Water Revenue.

³ Premium on Loan.

COCHITUATE WATER-WORKS.

NET RESULT OF EXPENDITURES AND RECEIPTS

YEAR.	Payments for Construction and Maintenance.	Total Receipts.	Net Payments.	Net Receipts.	Cost at close of Year.
1846-47.....	\$421,174 78	\$22,263 30	\$398,911 30	.....	\$398,911 30
1847-48.....	1,008,386 43	10,517 54	1,657,868 89	.....	2,056,780 28
1848-49.....	1,754,930 77	20,624 67	1,734,306 10	.....	3,791,086 38
1849-50.....	814,784 12	153,000 99	661,783 13	.....	4,452,869 51
1850-51.....	644,519 55	149,025 09	495,494 46	.....	4,948,363 97
1851-52.....	436,046 95	199,426 48	236,620 47	.....	5,184,984 44
1852-53.....	413,122 82	203,304 12	209,818 70	.....	5,394,803 14
1853-54.....	844,718 21	213,677 67	131,040 54	.....	5,525,843 68
1854-55.....	344,475 66	263,158 63	81,317 03	.....	5,607,160 71
1855-56.....	329,319 17	291,859 14	37,460 03	.....	5,644,620 74
1856-57.....	355,300 98	313,242 65	42,058 33	.....	5,686,679 07
1857-58.....	376,213 98	309,628 22	66,585 76	.....	5,753,264 83
1858-59.....	394,340 86	354,211 32	40,129 54	.....	5,793,394 37
1859-60.....	675,368 60	353,465 37	321,903 23	.....	6,115,207 60
1860-61.....	404,970 78	372,290 67	32,680 11	.....	6,147,977 71
1861-62.....	378,436 26	390,568 61	.....	\$2,132 86	6,145,845 36
1862-63.....	413,483 11	400,808 36	12,674 75	.....	6,158,520 11
1863-64.....	530,607 47	434,254 61	96,352 86	.....	6,254,872 97
1864-65.....	765,556 81	483,910 91	301,645 90	.....	6,556,518 87
1865-66.....	688,665 03	478,208 75	215,456 28	.....	6,771,975 15
1866-67.....	473,260 79	530,526 80	342,733 99	.....	7,114,709 14
1867-68.....	1,114,832 77	552,166 31	562,668 46	.....	7,677,375 60
1868-69.....	1,788,015 65	610,013 52	1,178,002 18	.....	8,855,377 78
1869-70.....	1,598,368 03	675,659 51	912,708 52	.....	9,768,086 25
1870-71.....	1,646,500 83	828,055 55	838,445 28	.....	10,606,531 53
1871-72.....	1,312,750 77	889,670 66	423,080 11	.....	11,029,611 64
1872-73.....	1,215,655 85	954,361 04	261,294 81	.....	11,290,906 45
1873-74.....	1,314,505 15	1,034,401 06	280,104 09	.....	11,571,010 54
1874-75.....	1,740,659 64	1,084,980 78	645,678 86	.....	12,216,689 40
1875-76.....	2,460,419 11	1,269,688 97	1,190,730 14	.....	13,407,419 54
1876-77.....	3,154,241 40	1,318,202 81	1,836,038 59	.....	15,243,458 13
1877-78.....	2,340,675 17	1,085,258 21	1,255,416 96	.....	16,498,875 09
1878-79.....	1,538,941 74	1,090,353 78	448,587 96	.....	16,947,463 05
1879-80.....	1,108,132 41	1,113,712 82	.....	5,580 41	16,941,882 84
1880-81.....	1,239,389 86	1,133,864 02	106,025 84	.....	17,047,908 48
1881-82.....	1,024,626 19	1,119,155 61	.....	94,529 42	16,953,379 06
1882-83.....	1,115,438 07	1,165,303 22	.....	49,865 15	16,903,513 91
1883-84.....	1,567,363 65	1,226,461 55	340,902 10	.....	17,244,416 01
1884-85.....	1,505,922 21	1,220,367 99	285,554 22	.....	17,529,970 23
1885-86.....	1,544,201 57	1,204,524 51	279,677 06	.....	17,809,647 29
1886-87.....	1,460,039 82	1,251,850 84	208,688 98	.....	18,018,336 27
1887-88.....	1,785,512 94	1,339,114 28	446,398 66	.....	18,464,734 93
1888-89.....	1,582,585 03	1,558,379 86	24,205 17	.....	18,488,940 10
1889-90.....	1,489,467 59	1,409,995 00	79,472 59	.....	18,568,412 69
1890-91.....	1,755,715 34	1,469,065 76	286,649 58	.....	18,855,062 27
1891-92.....	1,266,817 19	917,572 64	349,244 55	.....	19,204,306 82
1892-93.....	1,804,324 83	1,474,349 87	329,974 96	.....	19,534,281 78
1893-94.....	1,773,688 11	1,692,159 73	81,528 38	.....	19,615,810 16
1894-95.....	2,286,971 22	1,696,619 37	590,351 85	.....	20,206,162 01
1895-96.....	2,674,335 32	2,400,474 31	273,861 01	.....	20,480,023 02
Totals.....	\$61,237,780 59	\$40,757,757 57	\$20,632,130 35	\$152,107 33	.....

COCHITUATE WATER-WORKS.

COST OF CONSTRUCTION OF THE WORKS TO FEBRUARY 1, 1896.

Cost of Water-Works to January 1, 1850, as per final report of Water Commissioners	\$3,998,051 83
Land and Water Rights and Land Damages after January 1, 1850 (on original works)	49,486 17
Jamaica Pond Aqueduct works	88,437 20
Raising Lake two feet (including damages) and new dam	38,942 26
Dudley Pond, Lower Dam, Connections with the Lake, Pegan and Willow Dams	21,943 58
Pipe-yards and Buildings	94,832 14
New Dam at Lake Cochituate	33,436 49
Chestnut-Hill Reservoir, including land	2,461,232 07
Charles-River Siphon	26,532 35
New Stable at Chestnut-Hill Reservoir	8,103 55
High Service Works	1,308,839 26
Protection of Water Supply	30,000 00
Additional Supply of Water, including land damages and all expenses	9,364,346 04
Cost of laying Force Mains and Distribution Pipes since January 1, 1850	7,678,044 59
	<hr/>
	\$25,202,227 53
Credit by sale of Beacon-Hill Reservoir Lot, \$150,000 00	
On account of sale of Basin 5 in Southboro', 600,000 00	
	<hr/>
	750,000 00
	<hr/>
	<u>\$24,452,227 53</u>

MYSTIC WATER-WORKS.

NET RESULT OF EXPENDITURES AND RECEIPTS.

YEAR.	Total Payments.	Total Receipts.	Net Payments.	Net Receipts.	Cost at close of Year.
From com- mencement to March 1, 1871,					
1871-72.....	\$1,702,522 73	\$518,626 84	\$1,183,896 39	.....	\$1,183,896 39
1872-73.....	229,747 82	183,814 79	43,933 03	.....	1,227,829 42
1873-74.....	237,783 96	200,141 07	37,642 89	.....	1,265,472 31
1874-75.....	199,624 93	291,734 78	.....	\$92,109 85	1,173,362 46
1875-76.....	216,455 50	284,897 61	.....	68,442 11	1,104,920 35
1876-77.....	207,864 18	272,882 52	.....	65,018 34	1,039,902 01
1877-78.....	178,898 75	293,115 49	.....	114,216 74	925,685 27
1878-79.....	275,953 52	273,633 40	2,320 12	.....	928,005 39
1879-80.....	223,077 62	269,123 91	.....	46,046 29	881,959 10
1880-81.....	213,888 51	266,316 66	.....	52,428 15	829,530 95
1881-82.....	205,458 10	232,357 77	.....	26,899 67	802,631 28
1882-83.....	180,049 04	254,358 83	.....	74,309 79	728,321 49
1883-84.....	199,167 69	260,934 40	.....	61,766 71	666,554 78
1884-85.....	210,176 43	271,586 60	.....	61,410 17	605,144 61
1885-86.....	222,833 77	273,784 84	.....	50,951 07	554,193 54
1886-87.....	225,882 55	284,491 50	.....	58,608 95	495,584 59
1887-88.....	289,837 35	328,227 94	.....	38,390 59	457,194 00
1888-89.....	282,154 74	305,637 65	.....	23,482 91	433,711 09
1889-90.....	297,693 00	323,045 84	.....	25,352 84	408,358 25
1890-91.....	286,230 64	324,698 67	.....	38,468 03	369,890 22
1891-92.....	279,899 29	338,551 87	.....	58,652 58	311,237 64
1892-93.....	161,608 57	131,751 94	29,856 63	.....	341,094 27
1893-94.....	286,361 54	395,792 47	.....	109,430 93	231,663 34
	323,604 33	476,399 60	.....	152,795 27	78,868 07
					Surplus
1884-95.....	311,549 34	450,269 03	.....	138,719 69	59,851 62
1895-96.....	416,115 94	472,495 38	.....	56,379 44	116,231 06
Totals	\$7,864,439 84	\$7,980,670 90	\$1,297,649 06	\$1,413,880 12	.....

MYSTIC WATER-WORKS.

COST OF CONSTRUCTION OF THE WORKS TO FEBRUARY 1, 1896.

Salaries	\$17,644 61
Engineering	83,746 87
Land Damages	152,836 63
Reservoir	141,856 26
Dam	17,167 26
Conduit	129,714 30
Engine-house, Coal Shed, and Chimney	86,112 99
Engines	150,096 70
Grubbing Pond	9,398 26
Iron Pipes	108,487 10
Iron Pipes, Trenching	61,029 59
City Distribution	162,335 23
Hydrants	19,976 21
Stop-cocks	19,262 52
Miscellaneous items	14,012 51
Roadways and Bridges	8,529 22
Lowering Mystic River	8,012 06
Inspections	1,824 79
Service-Pipes and Meters	133,858 70
Hydrants for Somerville and Medford	2,658 08
Somerville Distribution	2,492 10
Dwelling-house for Engineer and Fireman (Pumping-Station),	4,871 02
Chelsea Extension	87,847 86
Medford "	3,997 41
Drinking-fountains	1,415 05
New Line of Supply Main	203,050 09
Stable and Pipe-yard	8,964 64
Extension of Engine-house and Boiler	33,727 43
New Force Main	9,875 17
Main Pipe-laying, since 1873	42,962 43
New Stable, Engine-house	1,767 39
Additional Force Main	24,882 96
Temporary Pumping-Works	6,905 15
Mystic Sewer	183,608 70
New Workshop	3,000 00
Portion cost, New Main to East Boston	12,031 89
Connection with Cochituate High Service	17,143 79
" " " " Low "	16,331 93
Additional Pumping-Engine, No. 4	61,321 48
Additions to Pumping-Station	9,578 91
	<hr/>
	\$1,803,775 29

¹ \$52,637 deducted from original cost, being amount paid by Metropolitan Sewerage Commissioners for a portion of sewer taken in 1893.

LAMP DEPARTMENT.

The whole cost of lighting the streets and parks of the city during the financial year 1895-96 was \$582,418.66. On the 15th of January the city was lighted with 2,434 electric, 7,592 gas, 28 incandescent, and 2,676 naphtha lamps, being an increase of 76 electric, an increase of 152 gas, a decrease of 33 naphtha lamps, as compared with the previous year.

The lamps are located as follows :

	Gas Lamps.	Incan- descent Lamps.	Electric Lamps.	Naphtha Lamps.	Total.
City Proper.....	1,616	.....	881	99	2,596
Roxbury.....	1,497	7	422	.....	1,926
Dorchester.....	1,572	.....	233	757	2,562
West Roxbury.....	987	.....	183	1,117	2,287
South Boston.....	464	7	260	329	1,060
Charlestown.....	517	.....	175	.....	692
East Boston.....	429	.....	146	151°	726
Brighton.....	510	14	134	223	881
Totals.....	7,592	28	2,434	2,676	12,730

The prices paid for gas in the public lamps to the several gas companies are : Boston, supplying part of City Proper, at the rate of 90 cents per thousand cubic feet; Roxbury, part of Roxbury District, \$1.00; Charlestown, \$1.25; South Boston, \$1.00; East Boston, \$1.35; Dorchester, \$1.00; West Roxbury, \$1.50; Brookline Co., Brighton District, \$1.00; City Proper, 70 cents; Roxbury district, 70 cents.

The price paid for electric is 35 cents per light per night. The city provides the iron posts, and the companies furnish the lamps and light. The price paid for incandescent lamps is \$2.50 per light per month in Roxbury and South Boston, and \$3.00 per light per month in Brighton.

The men who clean and light the gas-lamps are paid at the rate of \$2.00 per day, and have an average of 72 lamps each.

The underground *service*-pipes are laid and kept in repair by the various companies, under the direction of the Superintendent of Lamps, and at the expense of the city, without pecuniary consideration or profit to the companies.

The naphtha lamps have been lighted since July, 1892, under a contract by the Rising Sun Street Lighting Company, who furnish all material, light, and keep in repair for the sum of 5 $\frac{1}{6}$ cents per light per night, or \$20.44 each per year.

LIGHTING SERVICE.

Year.	Gas Lamps.	Electric Lamps.	Naphtha Lamps.	Oil Lamps.	Incan- descent Lamps.	Total.
1886-87.....	10,140	501	.....	2,785	.....	13,426
1887-88.....	10,246	601	.....	2,808	.....	13,655
1888-89.....	10,178	704	.....	2,994	.....	13,876
1889-90.....	9,958	798	48	3,006	.....	13,810
1890-91.....	9,282	1,125	99	2,957	.....	13,463
Nine months ending Jan. 31, 1892.....	8,924	1,447	80	2,781	.....	13,232
1892-93.....	8,743	1,547	2,846	.....	.....	13,136
1893-94.....	8,764	1,580	2,803	.....	.....	13,147
1894-95.....	7,440	2,358	2,709	.....	.....	12,507
1895-96.....	7,592	2,434	2,676	.....	28	12,730

PAYMENTS FOR GAS LIGHTING.

LAMP DEPARTMENT. — Continued.
Payments for Gas Lighting in Streets.

YEAR.	Boston Gas Light Co.	Roxbury Gas Light Co.	Dorchester Gas- Light Co.	South Boston Gas Light Co.	Charlest'n Gas and Electric Co.	East Boston Gas Co.	Jamaica Plain Gas Light Co.	Brookline Gas Light Co.	Chelsea Gas Light Co.
1874-75	\$119,590 18	\$49,226 22	\$36,008 36	\$28 031 42	\$19,829 30	\$17,505 81	\$12,758 10	\$12,723 13	
1875-76	126,762 28	53,630 22	39,025 37	28,511 73	23,919 50	18,513 57	18,270 24	14,987 92	
1876-77	123,397 43	56,045 44	41,342 22	32,224 94	26,668 82	20,492 42	19,685 28	16,220 67	
1877-78	124,798 04	57,872 29	41,753 65	31,819 02	28,448 32	20,996 08	20,647 69	17,335 87	
1878-79	120,208 57	55,677 60	40,833 89	30,152 34	28,025 29	19,927 13	20,254 23	16,683 21	
1879-80	90,486 62	45,219 05	33,183 43	24,622 98	23,314 84	16,361 46	16,673 66	11,976 46	
1880-81	94,464 97	47,759 71	33,702 75	24,143 09	23,695 22	16,607 49	16,923 23	14,064 97	
1881-82	97,860 70	50,108 04	35,338 48	27,563 64	24,075 45	19,200 14	17,700 82	15,314 73	\$84 10
1882-83	93,293 07	51,180 74	35,775 81	27,948 60	23,945 22	20,375 07	17,989 88	16,110 47	91 84
1883-84	75,295 11	50,112 27	37,003 05	23,107 67	23,664 90	21,213 40	18,345 80	16,566 93	92 12
1884-85	74,170 25	45,387 63	34,229 87	21,376 41	22,988 82	21,671 28	16,843 57	14,762 36	73 00
1885-86	74,797 95	46,644 12	34,916 82	21,812 12	24,538 26	22,310 15	17,195 74	15,599 87	91 87
1886-87	74,201 47	48,117 05	35,162 02	22,366 89	24,583 77	22,027 64	17,961 78	16,971 20	91 87
1887-88	72,191 36	48,864 69	38,797 93	21,407 37	23,012 45	19,737 54	20,536 56	17,596 14	92 15
1888-89	54,044 15	46,369 88	37,225 44	19,129 10	19,859 68	18,214 49	21,896 01	17,580 40	91 87
1889-90	48,276 96	46,717 62	39,172 24	18,023 43	18,384 17	16,980 64	22,611 61	18,769 43	90 43
1890-91	45,465 38	43,648 06	38,722 47	16,837 95	16,302 64	16,551 91	21,233 66	14,201 00	91 87
1891-92 9 mos.	29,432 30	27,291 51	23,732 82	9,766 22	10,439 06	10,676 78	14,117 00	9,413 22	14 18
1892-93	40,254 88	37,897 87	33,940 99	12,915 01	14,171 45	14,639 02	25,783 21	14,100 09	
1893-94	31,959 08	31,476 93	30,525 34	11,233 85	13,592 95	13,821 05	23,000 37	14,309 60	
1894-95	16,001 89	8,117 12	26,227 68	9,699 15	11,358 97	11,333 33	21,806 31	31,443 84	
1895-96	8,962 58	2,323 05	23,762 24	7,460 70	9,888 46	9,032 68	23,079 27	32,817 18	

LAMP DEPARTMENT. — Concluded.
Payments for Electric, Oil, and Naphtha Lighting and General Expenses.

	Brush Electric Lighting Co.	Boston Electric Light Co.	New England Electric Light Co.	Mer- chants' Electric Light and Power Co.	American Electric and Illuminat- ing Co.	Weston Illuminat- ing Co.	Union and Citizens' Electric Light and Power Co.	Citizens' Electric Light Co.	Brookline Gas Light Co.	Charles- town Gas and Electric Co.	Rising Sun Street Lighting Co.	Oil and Naphtha.	General Expenses.
1874-75.....												\$4,709 80	\$140,327 61
1875-76.....												5,306 65	167,629 05
1876-77.....												9,027 47	134,843 11
1877-78.....												7,466 23	126,166 00
1878-79.....												6,060 88	105,501 55
1879-80.....												8,143 57	126,776 13
1880-81.....												6,938 10	119,855 58
1881-82.....	\$91 00		\$7,257 97									4,886 43	125,203 11
1882-83.....	9,41 80		28,969 91		\$4,014 24							5,825 43	145,030 81
1883-84.....	41,200 25		33,150 10	\$5,754 45								6,497 37	150,812 89
1884-85.....	51,262 42		34,732 74	5,946 38			\$1,646 51					5,100 34	132,584 97
1885-86.....	54,660 87		36,205 10	6,219 81			6,729 66					5,263 78	134,798 17
1886-87.....	59,210 04			6,423 30				\$8,239 11				5,193 20	145,673 06
1887-88.....	71,720 71			7,103 20		\$32,184 57		9,960 85				5,468 84	174,858 15
1888-89.....	91,118 43			6,023 55		30,830 37		11,751 81				6,152 24	167,145 39
1889-90.....	119,579 12	\$30,728 79						10,803 73	\$316 40			7,615 82	165,965 28
1890-91.....		127,911 17							7,567 64	16,300 48	\$750 00	8,436 32	169,577 47
1891-92.....		125,387 81							8,705 16	12,515 76	4,500 00	4,726 26	132,581 13
1892-93.....		183,784 28							13,083 92	19,472 80	1,080 00	3,730 63	144,211 88
1893-94.....		140,939 44							14,384 72	20,452 66	24,017 80		117,298 17
1894-95.....		207,010 24							14,919 26	21,656 11	58,360 30		136,176 22
1895-96.....		261,283 64							19,196 08	21,775 98	55,682 07		107,175 55

RENTS PAID FOR OFFICES FOR CITY DEPARTMENTS.

1874-75.....	88,149 75	1885-86.....	814,918 02
1875-76.....	8,812 46	1886-87.....	20,540 13
1876-77.....	8,803 04	1887-88.....	20,599 42
1877-78.....	9,108 12	1888-89.....	19,475 18
1878-79.....	9,607 91	1889-90.....	19,919 77
1879-80.....	10,809 80	1890-91.....	22,707 63
1880-81.....	12,141 59	1891-92.....	22,354 64
1881-82.....	11,982 60	1892-93.....	32,361 71
1882-83.....	12,309 84	1893-94.....	32,783 50
1883-84.....	13,523 61	1894-95.....	28,812 64
1884-85.....	15,027 36	1895-96.....	31,751 78

AMOUNTS RECEIVED FROM LIQUOR LICENSES.

1875-76.....	\$250,478 00	1886-87.....	\$605,569 00
1876-77.....	173,323 50	1887-88.....	587,742 00
1877-78.....	274,866 00	1888-89.....	616 949 00
1878-79.....	223,388 00	1889-90.....	891,668 00
1879-80.....	242,474 00	1890-91.....	1,013,515 00
1880-81.....	260,838 00	1891-92.....	1,036,564 00
1881-82.....	258,865 00	1892-93.....	1,056,145 00
1882-83.....	282,427 00	1893-94.....	1,062,838 00
1883-84.....	305,551 00	1894-95.....	1,092,037 00
1884-85.....	521,178 00	1895-96.....	1,196,640 00
1885-86.....	511,830 00		

EAST BOSTON FERRIES.

NET RESULTS.

YEARS.	Total Expenditures, including Interest on Loans.	Total Receipts.	Deficit for the Year.
1858-59.....	\$125,000 00	.....	\$125,000 00
1859-60.....	125,000 00	\$625 00	124,375 00
1860-61.....	13,051 22	1,250 00	11,801 22
1861-62.....	12,500 00	3,013 56	9,486 44
1862-63.....	22,270 02	900 00	21,370 02
1863-64.....	9,700 00	2,700 00	7,000 00
1864-65.....	9,936 32	2,700 00	7,236 32
1865-66.....	19,065 32	3,000 00	16,065 32
1866-67.....	31,226 35	4,050 00	27,176 35
1867-68.....	38,576 81	3,850 00	34,726 81
1868-69.....	18,074 12	3,400 00	14,474 12
1869-70.....	296,076 14	3,900 00	292,176 14
1870-71.....	232,173 52	183,658 54	48,514 98
1871-72.....	274,849 67	187,600 00	87,249 67
1872-73.....	262,296 90	208,000 00	54,296 90
1873-74.....	316,643 53	222,507 50	94,136 03
1874-75.....	285,481 56	203,000 00	82,481 56
1875-76.....	266,165 88	181,890 00	84,275 88
1876-77.....	219,191 71	179,032 00	40,159 71
1877-78.....	178,701 60	178,795 48	Surplus 93 88
1878-79.....	180,737 69	169,530 31	11,207 38
1879-80.....	217,564 39	176,437 00	41,127 39
1880-81.....	168,788 50	168,008 48	780 02
1881-82.....	179,407 86	165,513 06	13,894 80
1882-83.....	239,612 91	162,827 91	76,785 00
1883-84.....	282,182 94	159,031 03	123,151 91
1884-85.....	301,897 83	156,801 60	145,096 23
1885-86.....	245,463 15	159,558 14	85,905 01
1886-87.....	201,855 01	164,497 69	37,357 32
1887-88.....	260,934 24	140,001 13	120,933 11
1888-89.....	216,766 22	138,760 65	78,005 57
1889-90.....	202,030 23	141,633 00	60,397 23
1890-91.....	228,505 72	146,276 80	82,228 92
1891-92.....	231,376 43	116,353 00	115,023 43
1892-93.....	237,986 01	154,660 65	83,325 36
1893-94.....	254,290 65	152,069 54	102,221 11
1894-95.....	230,810 31	155,502 87	75,307 44
1895-96.....	228,853 94	169,584 85	59,269 09
	\$6,865,044 70	\$4,371,119 79	\$2,494,018 79
		Surplus	93 88
			\$2,493,924 91

PUBLIC INSTITUTIONS.

Annual Expenditures for ten years past, commencing with the financial year 1886-87.

Houses of Industry, Reformation, Marcella-st. Home, Almshouses.			House of Correction.		Lunatic Hospitals.	
Year.	Amount.	Average No. Inmates.	Amount.	Average No. Inmates.	Amount.	Average No. Inmates.
1886-87.....	\$283,217 16	2,378	\$89,898 92	466	\$66,890 75	237
1887-88.....	290,434 53	2,475	102,247 72	513	85,018 61	308
1888-89.....	317,056 77	2,673	110,756 84	545	93,206 76	315
1889-90.....	297,821 56	2,642	100,035 96	526	82,579 04	336
1890-91.....	272,645 87	2,385	87,984 24	506	84,126 48	391
Nine months ending Jan. 31, 1892.....	209,521 08	2,356	67,875 14	539	63,163 95	427
1892-93.....	289,072 32	2,508	91,191 10	582	87,204 77	419
1893-94.....	303,140 93	2,539	97,592 36	604	96,722 69	443
1894-95.....	303,422 99	2,833	95,074 02	656	92,159 50	457
1895-96.....	335,847 99	2,908	94,711 79	622	121,981 17	498

Year.	Pauper Expenses.	Steamboat running to Deer, Long, and Rainsford Islands.	Office Expenses of Public Institutions.
1886-87.....	\$163,086 62	\$16,995 82	\$8,499 06
1887-88.....	146,530 82	18,099 94	8,613 58
1888-89.....	160,977 81	20,829 53	8,584 91
1889-90.....	158,193 67	20,554 58	18,494 86
1890-91.....	174,502 94	16,460 02	19,706 82
Nine months ending Jan. 31, 1892...	118,962 41	13,336 59	14,577 31
1892-93.....	157,256 37	15,731 68	20,348 52
1893-94.....	172,932 58	13,787 41	20,311 31
1894-95.....	182,422 71	22,547 51	20,251 67
1895-96.....	194,284 40	13,803 48	25,755 92

FIRE DEPARTMENT AND FIRE-ALARM TELE- GRAPH.

Year.	Apparatus in service.					Repairs, Fire Department Buildings.	Erection, Fire Department Buildings.
	S.E.	H.C.	C.E.	H.&L.	Men.	Amount.	Amount.
1886-87	52	10	7	14	689	\$15,334 46	\$72,413 15
1887-88	53	9	8	15	690	13,162 60	56,877 39
1888-89	34	8	9	16	728	27,241 22	30,377 65
1889-90	34	9	10	16	757	25,149 51	20,197 80
1890-91	38	8	10	16	774	29,293 03	99,046 37
Nine months ending Jan. 31, 1892.....	40	6	10	17	763	26,173 09	54,158 39
1892-93	43	6	10	17	835	39,248 01	51,857 62
1893-94	43	5	11	17	794	15,665 45	69,018 28
1894-95	44	4	11	17	786	19,587 89	57,741 19
1895-96	44	2	18	17	792	63,503 02	40,987 52

In addition to the above there are an Aerial Ladder and 2 Water Towers in service.

¹ Fire Boat included.

² Includes 2 Combination Wagons.

POLICE DEPARTMENT.

Year.	No. of Officers.	Repairs, etc., Police Station Houses.	Erection, Police Station Houses.
		Amount.	Amount.
1886-87.....	785	\$9,501 13	\$39,415 07
1887-88.....	773	11,565 38	20,227 46
1888-89.....	¹ 896	18,764 78	233 90
1889-90.....	896	15,703 85	28,000 00
1890-91.....	865	9,365 69	49,119 81
Nine months ending Jan. 31, 1892	868	9,547 35	13,085 38
1892-93.....	874	11,118 37	32,547 71
1893-94.....	913	13,939 51	18,480 73
1894-95.....	923	11,141 15	8,806 06
1895-96.....	1,005	22,259 15	.....

¹ Includes Reserve Force this year and after.

PAYMENTS FOR PENSIONS, ETC.

	Fire Department.	Police Department.	Police Charitable Fund.
1872-73			\$21 50
1873-74			20 00
1874-75			300 00
1875-76			839 00
1876-77			1,531 00
1877-78			1,910 00
1878-79			¹ 8,109 00
1879-80		83,040 00	² 14,232 75
1880-81		14,259 00	4,705 00
1881-82		15,544 00	5,300 00
1882-83		20,945 94	5,660 00
1883-84		22,936 24	6,690 00
1884-85	\$595 50	25,577 98	7,265 00
1885-86	1,775 00	27,872 67	7,940 00
1886-87	1,905 00	28,696 46	8,485 00
1887-88	1,992 86	29,235 16	8,845 00
1888-89	3,641 28	29,770 36	9,035 00
1889-90	8,175 02	31,407 92	9,060 00
1890-91	12,348 05	31,459 96	7,445 00
1891-92	10,360 42	23,888 17	8,411 34
1892-93	13,524 89	31,632 68	8,830 00
1893-94	27,415 48	64,303 55	9,175 00
1894-95	27,951 99	69,291 61	9,350 00
1895-96	33,263 92	73,298 32	9,820 00
	\$138,949 41	\$543,155 02	\$152,979 59

¹ Five pension rolls, \$5,600, paid from this amount.

² Nine pension rolls, \$7,980, paid from this amount.

SCHOOL EXPENSES.

ANNUAL EXPENDITURES for the Public Schools of Boston for the last thirty financial years; also the average number of scholars. Annexations occurred as follows: Roxbury, Jan. 6, 1868; Dorchester, Jan. 3, 1870; Charlestown, Brighton, and West Roxbury, Jan. 6, 1874.

FINANCIAL YEAR.	No. of Day Scholars Belonging	No. of Evening Scholars Belonging	Total No. of Scholars Belonging	Salaries of Teachers and Officers, School Committee.	Incidental Expenses.	Total for Running Expenses.	Ordinary Revenue.	Net Running Expenses.	Net Rate per Scholar.	Cost of new School-houses.	Total Expenditures.
1864-67	28,002	...	28,002	\$503,506 68	\$176,108 85	\$679,705 51	\$5,858 93	\$673,846 58	\$24 06	\$101,575 09	\$781,280 60
1867-68	27,982	...	27,982	561,169 98	211,536 43	772,706 41	10,467 05	762,239 36	27 24	185,790 80	961,497 21
1868-69	33,904	...	33,904	738,198 37	244,478 03	982,676 40	8,876 68	973,800 32	28 64	346,610 78	1,320,287 78
1869-70	35,442	...	35,442	739,345 65	248,068 95	987,412 60	14,661 16	972,751 44	27 45	612,337 86	1,590,750 46
1870-71	36,768	...	36,768	838,306 77	293,232 59	1,131,539 36	23,806 35	1,107,733 01	30 14	443,679 71	1,571,279 07
1871-72	36,650	5,128	41,778	836,940 47	359,639 18	1,216,579 65	26,899 98	1,189,679 67	28 47	97,800 68	1,314,380 33
1872-73	33,624	2,121	37,745	953,502 06	338,970 85	1,292,472 91	28,113 93	1,264,358 98	33 50	454,230 34	1,746,703 25
1873-74	41,644	1,714	43,358	1,041,375 52	377,681 52	1,419,057 04	28,848 73	1,390,208 31	32 14	446,063 25	1,865,720 29
1874-75	44,942	1,522	46,464	1,249,408 93	474,874 68	1,724,283 61	24,220 82	1,699,152 79	36 54	356,069 74	2,081,043 35
1875-76	45,924	3,393	49,317	1,266,803 59	470,930 68	1,737,734 27	20,635 72	1,716,098 55	34 82	277,746 57	2,015,360 84
1876-77	43,681	3,727	47,408	1,208,604 23	422,472 22	1,631,076 45	21,899 03	1,609,177 42	33 18	125,539 04	1,736,716 49
1877-78	47,675	4,084	51,759	1,215,782 03	366,334 06	1,582,116 09	30,109 31	1,552,006 78	29 99	174,324 75	1,756,440 84
1878-79	49,700	3,562	53,262	1,172,480 69	347,173 23	1,519,652 92	32,145 54	1,487,507 38	27 93	240,222 98	1,759,885 90
1879-80	50,551	3,130	53,681	1,192,258 61	353,108 23	1,545,366 84	40,000 28	1,505,366 56	27 16	136,878 45	1,652,245 29
1880-81	51,542	3,170	54,712	1,165,402 69	394,274 82	1,559,677 51	74,076 08	1,485,601 43	27 15	215,359 64	1,771,037 15
1881-82	52,611	3,027	55,638	1,165,659 71	405,349 26	1,570,979 07	60,591 58	1,510,387 49	26 98	130,128 88	1,710,105 95
1882-83	54,590	2,964	57,554	1,180,193 73	422,968 76	1,603,162 49	73,509 56	1,529,652 93	26 53	77,828 73	1,680,791 22
1883-84	55,640	3,148	58,788	1,200,683 23	433,023 33	1,633,706 56	79,364 06	1,554,341 90	26 54	268,879 72	1,908,586 28
1884-85	55,888	3,818	59,706	1,230,771 71	474,681 43	1,705,453 14	39,574 76	1,665,878 38	27 90	278,114 03	1,983,567 19
1885-86	57,180	4,079	61,259	1,251,403 29	472,269 54	1,723,672 83	31,350 84	1,692,321 99	26 81	362,796 15	2,036,468 98
1886-87	58,266	3,993	62,259	1,280,845 91	396,830 09	1,676,676 00	33,684 20	1,643,091 80	26 06	125,687 45	1,782,083 45
1887-88	59,310	3,916	63,226	1,296,192 42	483,468 46	1,779,660 88	37,318 81	1,742,341 07	28 00	127,875 90	1,907,536 78
1888-89	60,224	4,360	64,584	1,332,606 17	516,179 08	1,848,685 25	39,738 52	1,808,946 73	28 01	121,358 95	1,970,014 20
1889-90	60,478	5,525	66,003	1,300,968 87	525,867 09	1,826,835 96	40,762 50	1,786,073 46	28 42	149,602 82	2,266,338 78
1890-91	61,019	6,003	67,022	1,424,988 20	524,232 24	1,949,220 44	41,417 06	1,907,803 38	28 47	172,523 90	2,121,744 34
For the nine months ending January 31, 1892	61,763	5,933	67,696	1,079,848 59	421,477 02	1,501,325 61	31,352 81	1,469,972 80	21 71	527,429 10	2,028,754 71
1892-93	62,347	5,623	68,970	1,485,411 12	605,480 05	1,990,891 17	37,743 66	1,953,147 51	28 32	569,700 75	2,560,591 92
1893-94	65,256	6,239	71,495	1,532,074 37	480,542 96	2,012,617 32	40,709 13	1,971,908 19	27 68	279,566 81	2,291,974 13
1894-95	67,707	5,896	73,603	1,500,000 15	509,189 70	2,009,189 85	38,929 35	1,970,260 50	28 00	307,983 62	2,497,773 47
1895-96	69,088	5,578	74,666	1,647,021 50	567,846 39	2,214,867 89	39,161 66	2,175,696 23	29 14	513,735 61	2,728,003 50

SALARIES OF THE INSTRUCTORS OF THE BOSTON PUBLIC SCHOOLS.

NORMAL SCHOOL.

Head-Master	\$3,780
Sub-Masters, first year, \$2,196; annual increase, \$60; maximum	2,496
First Assistants, first year, \$1,440; annual increase, \$36; maximum,	1,620
Second " first year, \$1,140; annual increase, \$48; maximum,	1,380

HIGH SCHOOLS.

Head-Masters	\$3,780
Masters	2,880
Junior-Masters, first year, \$1,008; annual increase (for thirteen years), \$144; salary for the fourteenth and subsequent years, with the rank of Master	2,880
Assistant Principal	1,800
¹ First Assistant	1,620
Assistants, first year, \$756; annual increase, \$48; maximum	1,380

GRAMMAR SCHOOLS.

Masters, first year, \$2,580; annual increase, \$60; maximum	\$2,880
Sub-Masters, first year, \$1,500; annual increase, \$60; maximum	2,280
First Assistants, first year, \$900; annual increase, \$36; maximum	1,080
Second " first year, \$756; annual increase, \$12; maximum	816
Third " first year, \$456; annual increase, \$48; maximum	744

PRIMARY SCHOOLS.

Second Assistants, first year, \$756; annual increase, \$12; maximum,	\$816
Fourth " first year, \$456; annual increase, \$48; maximum,	744

KINDERGARTENS.

Principals, first year, \$600; annual increase, \$36; maximum	\$708
Assistants, first year, \$432; annual increase, \$36; maximum	540

MECHANIC ARTS HIGH SCHOOL.

Head-Master	\$3,780
Masters	2,880
Junior-Masters, first year, \$1,008; annual increase (for thirteen years), \$144; salary for the fourteenth and subsequent years, with the rank of Master	2,880
Instructors, first year, \$1,500; annual increase, \$60; maximum	2,280
Assistant Instructors, first year, \$756; annual increase, \$48; maximum,	1,380
Instructor of Metal Working, first year, \$1,800; annual increase, \$60; maximum	2,508

SPECIAL INSTRUCTORS.

Special Instructors of Music	\$2,640
Assistant Instructors in Music	852
Director of Drawing	3,000

¹ The rank of First Assistant (High Schools) shall be abolished as the position now recognized shall become vacant in schools where first assistants are now employed. [Rules, Sect. 100.] There is at present one first assistant (High Schools) in service.

¹ Assistant to Director of Drawing	\$2,508
Teacher of Chemistry, Girls' High School	1,620
Laboratory Assistant, " " "	804
" " " Roxbury " "	804
Teachers of Physical Culture and Elocution, Girls' High School and Roxbury High School, each	1,200
Teachers of Physical Culture, Girls' Latin School	600
" " " " East Boston High School	300
Director of Kindergartens	2,880
Assistant teacher of the theory and practice of the Kindergarten, Normal School (same salary as that of a Second Assistant, Normal School)	1,380
Special teacher of Songs and Games	240
Director of French and German	3,000
Assistants, each	1,500
Director of Physical Training	3,000
Assistant	2,000
Horace Mann School for the Deaf:	
Principal	2,508
Assistant Principal, first year, \$1,068; annual increase, \$60; maximum	1,208
Assistants, first year, \$588; annual increase, \$60; maximum	1,008
Principal of Manual Training Schools	2,004
Instructors in Manual Training Schools	1,620
Instructors in Manual Training Schools	1,200
Instructor in Manual Training (Horace Mann School) *	450
Assistant Instructors in Manual Training Schools, first year, \$804; annual increase, \$48; maximum	900
Principal of Schools of Cookery	1,000
Instructors in Schools of Cookery, first year, \$456; annual in- crease, \$48; maximum	744
Instructor in School on Spectacle Island (including all expenses connected with the school, except for books)	400
Instructor Military Drill	2,000
Armorer	900

Teachers of sewing:

One division	\$108	Seven divisions	\$540
Two divisions	192	Eight divisions	588
Three divisions	276	Nine divisions	636
Four divisions	348	Ten divisions	684
Five divisions	420	Eleven divisions	732
Six divisions	492	All over eleven divisions	744

Principal, Evening High School (per week), first year, \$40; second year, \$45; third year and subsequently	\$50 00
Assistants, Evening High School (per evening)	4 00
Principals, Evening Elementary Schools, in schools where average attendance for month is 100 pupils or more (per evening), \$5; in schools where average attendance for month is less than 100 (per evening)	4 00
First Assistants, Evening Elementary Schools, in schools where average attendance for month is 75 pupils or more (per evening), \$2.50; in schools where average attendance for month is less than 75 (per evening)	1 50
Assistants, Evening Elementary Schools (per evening)	1 50
² Masters, Evening Drawing Schools (per evening)	10 00
Principals, Evening Drawing Schools (per evening), first year, \$7; second year and subsequently	8 00

¹To give instruction in drawing in the Normal School and to assist the Director of Drawing.

²The rank of Master in Evening Drawing Schools shall be abolished, as the position becomes vacant by the retirement of the present incumbents.

Assistants, Evening Drawing Schools (per evening), first year, \$4;	
second year, \$5; third year and subsequently	\$6 00
Special Assistant Teachers, lowest classes Primary Schools (per day)	1 50
Special Assistant Teachers, Kindergartens (per week)	5 00

Second Assistants, Primary Schools, in buildings having eight or more teachers, receive sixty dollars (\$60) each per annum in addition to the regular salary of the rank.

Masters elected as Principals of High Schools, whose average whole number for the preceding school year exceeds one hundred pupils, receive \$288; Sub-Masters, in Grammar Schools, elected as Principals, \$216, each, in addition to the regular salary of the rank.

The salaries of temporary teachers of the following-named ranks are fixed at the following rates, for each day of actual service: Temporary Junior-Master, \$5; Assistant, High Schools, \$2.50; Sub-Master, Grammar Schools, \$4; Instructor, Mechanic Arts High School, \$4.

WAR PAYMENTS.

	Expenditures.	Receipts.		Expenditures.	Receipts.
Recruiting:			<i>Brought forward</i>	\$4,759,290 95	\$2,345,081 34
1862-63 . . .	\$937,012 26	\$42,350 00	1876-77 . . .	82,225 36	81,900 00
1863-64, State			1877-78 . . .	81,629 51	84,254 57
Bounty Tax,	255,365 52	64,296 00	1878-79 . . .	119,981 12	79,730 88
1863-64 . . .	513,026 41		1879-80 . . .	91,445 66	109,498 00
1864-65 . . .	549,050 43	150,086 84	1880-81 . . .	99,020 21	81,819 50
1867-68 . . .		60 00	1881-82 . . .	100,310 55	78,610 00
1868-69 . . .		1,489 97	1882-83 . . .	97,276 61	80,567 50
			1883-84 . . .	92,475 79	83,534 68
Other Expenses:			1884-85 . . .	94,134 31	80,505 07
1861-62 . . .	90,151 63	6 52	1885-86 . . .	97,052 74	75,625 50
1862-63 . . .	15,856 53		1886-87 . . .	96,911 46	78,619 00
1863-64 . . .	33,010 34		1887-88 . . .	99,516 82	79,671 00
1864-65 . . .	19,457 60	1,061 23	1888-89 . . .	105,254 35	82,030 50
1865-66 . . .	23,371 13	8,580 00	1889-90 . . .	115,726 75	85,966 00
1866-67 . . .	19,795 05		1890-91 . . .	137,095 56	90,910 75
1867-68 . . .	7,750 98		1891-92 . . .	120,007 54	102,273 00
1868-69 . . .	1,959 00		1892-93 . . .	177,520 01	109,778 62
1869-70 . . .	900 50		1893-94 . . .	182,516 59	142,974 48
1870-71 . . .	52 00		1894-95 . . .	198,387 77	140,013 66
1886-87 . . .	40,000 00		1895-96 . . .	199,841 30	141,661 37
Soldiers' Relief:			Burial Expenses,		
1861-62 . . .	129,309 00	479 12	Chap. 395,		
1862-63 . . .	304,553 09	61,071 02	Acts 1889:		
1863-64 . . .	297,328 33	257,066 51	1889-90 . . .	1,772 00	
1864-65 . . .	293,987 67	310,759 87	1890-91 . . .	2,247 50	
1865-66 . . .	117,469 30	290,007 28	1891-92 . . .	2,647 50	932 25
1866-67 . . .	257,407 60	164,000 00	1892-93 . . .	3,968 00	1,177 50
1867-68 . . .	109,179 79	205,000 00	1893-94 . . .	4,818 00	1,845 00
1868-69 . . .	108,709 95	145,387 63	1894-95 . . .	3,956 50	2,078 01
1869-70 . . .	102,845 29	102,500 00	1895-96 . . .	4,470 00	3,554 50
1870-71 . . .	96,564 20	99,043 00			
1871-72 . . .	89,942 41	95,500 00		\$7,171,500 48	\$4,244,616 68
1872-73 . . .	83,940 45	87,700 00			
1873-74 . . .	83,435 12	81,600 00	Gross Expendi-		
1874-75 . . .	88,639 87	90,938 35	tures . . .	\$7,171,500 48	
1875-76 . . .	84,219 50	86,100 00	Gross Receipts .	244,616 68	
<i>Carried forward</i>	\$4,759,290 95	\$2,345,081 34	Net Expenses,	\$2,926,883 80	

ACTUAL EXPENDITURES.

Actual expenditures of the City of Boston and County of Suffolk, exclusive of debt and temporary loans redeemed since 1862, as follows:

YEAR.	Interest on Debt and Temporary Loans.	State Tax.	Other City Exp'nditures.	Total Actual Expenditures on account of City.	County.	Total City and County.
1862-63.....	\$688,861 67	\$578,270 56	\$3,782,979 84	\$5,050,111 57	\$153,594 98	\$5,203,706 55
1863-64.....	824,068 34	1,269,626 41	3,000,767 61	5,094,462 36	152,867 32	5,247,329 68
1864-65.....	1,505,144 71	756,600 00	3,752,200 35	6,013,945 06	146,619 60	6,160,564 66
1865-66.....	889,397 60	1,592,501 00	3,866,973 09	6,348,871 78	173,050 06	6,521,921 84
1866-67.....	1,035,145 74	1,016,490 00	4,276,046 93	6,327,682 67	205,937 10	6,533,619 77
1867-68.....	1,277,278 13	1,094,150 00	5,128,986 84	8,100,414 97	233,245 65	8,333,660 62
1868-69.....	1,152,377 79	723,140 00	7,614,331 26	9,489,849 05	226,488 17	9,716,337 22
1869-70.....	1,179,668 64	903,925 00	10,467,741 61	12,551,335 25	314,840 81	12,866,176 06
1870-71.....	1,500,433 36	933,775 00	9,789,982 87	12,224,191 23	272,342 88	12,496,533 61
1871-72.....	1,560,489 20	933,775 00	9,650,712 08	12,144,976 34	271,941 88	12,416,917 72
1872-73.....	1,859,283 50	736,480 00	11,901,630 39	14,587,393 95	337,526 95	14,924,920 90
1873-74.....	2,279,398 06	828,540 00	15,133,971 71	18,241,909 77	310,702 71	18,552,612 48
1874-75.....	2,671,496 12	802,120 00	11,542,694 17	15,016,310 29	372,321 99	15,388,632 28
1875-76.....	2,607,933 20	802,120 00	11,704,336 52	15,114,389 72	361,510 20	15,475,900 01
1876-77.....	2,572,057 28	742,932 00	10,805,276 07	14,120,265 35	345,976 34	14,466,241 69
1877-78.....	2,461,600 59	619,110 00	10,434,694 47	13,515,405 06	328,646 92	13,844,051 96
1878-79.....	2,352,160 26	412,740 00	9,413,015 16	12,177,915 41	327,833 50	12,505,748 91
1879-80.....	2,377,050 50	206,370 00	9,320,836 79	11,904,257 38	296,140 82	12,200,398 20
1880-81.....	2,220,171 43	619,110 00	10,252,967 39	13,092,248 82	305,871 68	13,398,120 50
1881-82.....	2,188,564 72	619,110 00	10,422,476 44	13,230,151 16	338,261 12	13,568,412 28
1882-83.....	2,184,580 49	825,480 00	11,879,562 33	14,889,622 82	362,908 06	15,252,530 88
1883-84.....	2,227,045 73	578,055 00	12,852,436 08	15,657,536 81	368,352 40	16,025,889 21
1884-85.....	2,238,518 17	770,740 00	12,456,798 17	15,466,056 34	393,785 77	15,859,842 11
1885-86.....	2,242,102 19	578,055 00	11,480,449 18	14,300,606 37	852,613 93	15,153,220 30
1886-87.....	2,237,479 04	555,970 00	11,642,638 27	14,335,987 31	999,056 20	15,335,043 51
1887-88.....	2,315,833 40	833,805 00	12,920,866 74	16,070,505 23	1,086,026 43	17,156,531 66
1888-89.....	2,324,476 50	833,805 00	12,974,131 66	16,132,413 06	1,334,640 21	17,467,053 27
1889-90.....	2,353,785 54	738,020 00	13,508,467 28	16,600,272 82	1,265,160 36	17,865,433 18
1890-91.....	2,447,882 87	645,767 50	14,585,464 60	17,679,114 97	1,133,121 18	18,812,236 15
Nine months ending Jan. 31, 1892....	1,784,671 04	553,515 00	13,856,842 03	16,195,028 07	777,496 32	16,972,524 39
1892-93.....	2,522,587 58	640,062 50	16,954,626 31	20,117,276 39	1,183,388 65	21,300,665 04
1893-94.....	2,476,430 94	914,375 00	17,287,020 68	20,677,826 62	1,019,172 73	21,696,999 35
1894-95.....	2,341,623 81	731,500 00	19,026,419 75	22,099,543 56	985,044 21	23,084,587 77
1895-96.....	2,558,208 65	538,920 00	20,406,494 46	23,593,623 11	941,184 68	24,534,807 79

¹ Including \$21,262, National direct tax assumed and paid by the State.

² Including \$513,926.41, State Bounty Tax.

AVERAGE VALUATIONS AND BASIS OF APPROPRIATION BILLS.

Average Valuation for 5 Years, less Abatements to December 31.

YEAR.	Product of \$9 law.	Extra for county purposes under the law of 1887.	Estimated miscellaneous revenue.	Total income available for department expenditures.	Interest and sinking-fund requirements.	Total possible appropriations.	Actual appropriations.
1884	8661,011,076 00	1888	.	8711,071,286 00	1892	.	8819,313,202 00
1885	670,035,172 00	1889	.	733,736,943 00	1893	.	850,076,262 00
1886	678,763,000 00	1890	.	761,236,068 00	1894	.	876,794,390 00
1887	694,078,430 00	1891	.	790,036,144 00	1895	.	902,579,136 00
1885-86	85,949,099	.....	\$2,804,550	\$8,753,649	\$2,171,569	\$10,925,218	\$10,608,100
1886-87	6,030,316	.....	2,588,490	8,618,806	2,176,357	10,795,163	10,553,690
1887-88	6,108,867	\$425,000	2,694,800	9,228,667	2,425,465	11,654,132	11,654,094
1888-89	6,246,705	425,000	2,261,080	8,982,785	2,517,522	11,450,307	11,450,307
1889-90	6,399,641	425,000	2,408,690	9,232,731	2,492,510	11,725,241	11,725,241
1890-91	6,603,632	425,000	2,470,240	9,498,872	2,990,942	12,489,814	12,489,814
1891-92	6,851,124	425,000	2,635,390	9,911,514	2,887,916	12,799,430	12,799,430
1892-93	7,110,325	425,000	2,914,675	10,450,000	3,150,420	13,600,420	13,600,420
1893-94	7,373,818	425,000	2,756,590	10,555,408	2,910,219	13,465,627	13,465,627
1894-95	7,650,686	425,000	2,490,000	10,565,686	2,826,068	13,391,754	13,391,754
1895-96	7,891,149	425,000	2,598,665	10,914,814	3,098,229	14,013,043	14,013,043
1896-97	8,123,212	425,000	2,764,290	11,312,502	3,231,959	14,544,461	14,544,461

PAYMENTS FROM REGULAR DEPARTMENT APPROPRIATIONS, MAY 1, 1887, TO
JANUARY 31, 1896.

	1887-88.	1888-89.	1889-90.	1890-91.	9 months. 1891-92.	1892-93.	1893-94.	1894-95.	1895-96.
Ancient Record* Department	\$3,667 95	\$4,480 61	\$4,414 71	\$4,515 17	\$2,917 55	\$2,037 50	\$22,338 41	\$21,403 87	\$10,076 15
Architect Department	24,544 47	22,306 67	19,395 01	22,563 50	16,876 24	22,216 16	130,934 31	137,246 11	138,522 39
Assessing Department	110,533 59	109,704 59	109,203 94	114,864 22	110,639 64	140,523 90	28,700 00	28,843 62	29,700 00
Auditing Department	23,717 59	23,816 11	24,044 65	24,518 25	20,163 91	27,290 00	20,336 00	39,857 43	25,543 75
Board of Aldermen	10,782 29	14,307 48	22,333 15	22,334 31	18,879 45	25,044 13	75,000 00	57,030 00	63,000 00
Soldiers' Relief .....	...	15,000 00	30,000 00	42,000 00	65,000 00	82,000 00	70,417 35	67,317 40	70,433 89
Building Department	50,905 82	58,997 47	67,990 70	50,992 56	50,307 11	68,511 75	...	985 83	983 75
Board of Appeals .....	...	...	...	...	...	...	...	...	...
City Clerk Department	20,228 72	21,082 87	21,469 44	50,905 27	69,999 63	71,998 57	78,568 87	104,026 63	44,238 11
General Expenses	20,228 72	21,082 87	21,469 44	27,000 56	21,979 70	32,915 18	33,894 40	41,010 80	41,920 74
Election Expenses .....	...	...	...	32,895 69	38,119 93	30,081 39	44,674 47	63,015 83	2,317 37
City Council:									
Contingent Fund, Joint Committees	11,411 97	13,058 51	6,044 38	10,520 26	14,768 85	6,343 46	8,948 06	7,258 38	5,499 60
Incidental Expenses	55,242 99	40,282 43	38,708 04	31,496 33	28,882 26	67,485 83	51,542 48	50,061 02	48,076 10
City Messenger Department	19,073 49	20,576 72	21,939 97	23,751 11	17,770 06	24,749 13	25,638 04	26,729 68	27,347 68
Clerk of Committees Department	7,519 54	7,546 90	7,618 28	9,490 99	7,970 24	11,551 64	12,016 92	12,192 81	12,998 20
Collecting Department	58,656 91	60,798 69	61,564 59	71,504 63	63,661 65	84,399 40	85,998 08	91,062 60	92,693 72
Common Council	13,026 36	10,757 79	13,376 94	11,560 07	6,656 19	10,785 88	10,697 12	18,646 34	12,165 71
Election Department .....	...	...	...	...	...	...	...	...	103,644 15
Engineering Department	32,999 94	33,890 21	34,965 54	35,465 78	20,989 69	30,999 22	41,999 91	36,299 60	53,495 31
Fire Department, including Inspection of Wires	772,989 21	933,824 19	854,928 54	910,659 27	777,859 72	980,255 26	1,018,712 64	1,041,296 94	1,099,990 69
Harvard Bridge Commissioners .....	...	...	...	...	...	...	...	...	...
Health Department	107,667 16	113,512 34	115,719 23	117,802 48	1,920 44	3,141 64	147,588 82	168,993 83	159,753 18
Hospital Department	182,541 83	219,239 58	229,040 45	225,624 92	105,170 31	142,709 89	261,025 36	261,538 03	254,417 92
Inspection of Milk and Vinegar Department	8,994 01	9,158 13	9,153 32	11,436 90	189,714 62	255,610 49	12,408 68	12,500 00	6,400 74
Carried forward	\$1,514,306 14	\$1,661,491 25	\$1,691,970 87	\$1,814,184 27	\$1,594,306 04	\$2,086,729 24	\$2,117,870 55	\$2,181,560 24	\$3,288,658 04

* Amount paid from taxes.

* Expenses for 6 months.

PAYMENTS FROM REGULAR DEPARTMENT APPROPRIATIONS. 219

PAYMENTS FROM REGULAR DEPARTMENT APPROPRIATIONS. -- Continued.

	1887-88.	1888-89.	1889-90.	1890-91.	9 months. 1891-92.	1892-93.	1893-94.	1894-95.	1895-96.
<i>Brought forward.</i>	\$1,514,306 14	\$1,661,491 25	\$1,691,970 87	\$1,814,184 27	\$1,594,306 04	\$2,086,729 24	\$2,117,570 55	\$2,181,560 24	\$2,298,652 04
Inspection of Provisions Department.	2,421 15	2,400 62	2,238 70	2,362 26	1,797 88	3,132 13	3,107 03	3,141 81	3,157 16
Institutions Department.	557,097 48	590,635 28	577,555 71	567,442 13	419,561 34	569,603 66	606,804 92	620,804 38	601,672 46
Lamp Department.	573,601 15	566,991 91	592,317 70	541,757 64	420,179 21	582,113 83	572,293 70	573,110 42	582,418 66
Electric Lights.	131,007 97	158,503 26	184,210 07	149,248 91	146,908 73	216,451 00	225,776 92	243,585 61	302,234 70
Gas.	267,298 19	234,411 02	229,026 53	213,034 94	134,883 00	193,702 52	160,919 17	131,988 29	117,326 34
Care and Cleaning Lamps.	121,740 91	124,974 40	127,907 86	127,633 11	98,020 04	100,892 23	92,562 00	88,730 00	77,617 00
Oil and Naphtha Lighting.	5,468 54	6,902 24	8,095 82	9,876 62	5,806 24	27,748 43	50,299 54	58,360 30	55,082 07
Miscellaneous.	53,117 24	42,170 99	42,777 42	41,944 06	34,561 09	34,319 65	24,736 17	47,446 22	29,558 55
Law Department.	23,484 28	23,719 66	28,743 15	28,606 77	21,820 66	29,424 03	30,901 01	30,891 74	35,608 96
Library Department.	126,949 85	146,518 1	161,827 42	152,576 11	119,826 45	170,251 30	165,309 63	175,477 99	210,556 37
Market Department.	9,787 71	9,615 63	9,584 84	11,091 84	7,508 10	11,589 36	12,133 49	12,444 34	10,078 53
Mayor.	22,853 56	22,730 63	10,065 65	125,079 61	21,573 42	32,017 31	42,540 76	50,756 69	30,397 99
Mount Hope Cemetery Department.	10,000 00	10,000 00	.....	2,500 00	6,000 00	10,000 00	10,391 67	10,000 00	13,000 00
Overseeing of the Poor Department.	104,399 14	114,984 00	110,006 09	110,269 98	75,912 01	109,615 76	112,544 78	135,634 64	125,718 52
Park Department.	21,465 44	34,692 80	50,558 24	58,682 11	62,229 32	77,770 48	106,431 80	115,898 61	114,756 33
Police Department.	1,080,993 26	1,140,346 25	1,134,867 48	1,136,102 76	876,489 35	1,143,396 62	1,280,530 02	1,318,186 75	1,500,708 28
Department Expenses.	1,080,993 26	1,140,346 25	1,134,867 48	1,136,102 76	876,489 35	1,143,396 62	1,196,498 28	1,224,430 95	1,370,893 21
Liquor Licenses, Expenses.	.....	.....	.....	.....	.....	.....	32,327 87	35,873 72	43,985 94
Police Signal System.	.....	.....	.....	.....	.....	.....	51,503 87	57,882 08	85,829 13
Printing Department.	47,000 00	46,000 00	46,530 00	47,500 00	39,000 00	46,000 00	45,000 00	46,888 49	26,250 00
Public Buildings Department.	160,229 27	178,871 34	175,430 09	185,747 98	162,485 78	185,369 78	157,481 27	189,496 81	197,870 20
General Expenses, care, repairs, etc.	102,091 88	117,357 17	117,768 48	118,134 00	109,837 33	113,803 42	82,414 08	108,936 76	150,966 71
Armories.	33,229 65	42,770 24	38,877 09	29,604 56	14,843 46	17,770 55	17,676 43	17,755 31	20,383 31
Rents.	24,907 74	18,743 93	18,785 12	21,062 61	20,195 90	29,432 52	30,275 00	26,191 64	22,887 50
Election Expenses.	.....	.....	.....	19,916 81	18,609 09	24,863 29	27,115 76	36,613 10	3,612 08
<i>Carried forward.</i>	\$1,255,048 43	\$1,549,187 48	\$1,400,663 14	\$1,684,503 50	\$3,828,608 56	\$5,056,121 92	\$5,263,490 63	\$5,464,292 91	\$5,829,196 00

* Includes entertainment of distinguished guests this year and after.

* Amount paid from taxes.

* Expenses for six months.

220 PAYMENTS FROM REGULAR DEPARTMENT APPROPRIATIONS.

PAYMENTS FROM REGULAR DEPARTMENT APPROPRIATIONS. — Concluded.

	1887-88.	1888-89.	1889-90.	1890-91.	9 months. 1891-92.	1892-93.	1893-94.	1894-95.	1895-96.
<i>Brought forward</i>	\$4,255,048 43	\$4,549,187 48	\$4,600,663 14	\$4,684,503 50	\$3,823,698 56	\$5,036,121 92	\$5,203,490 63	\$5,464,292 91	\$5,820,196 00
Public Celebrations.....	20,343 14	22,201 15	25,470 51	50,486 52	26,705 11	27,479 63	31,078 13	27,905 87	26,889 98
Public Grounds Department.....	65,982 19	74,282 50	83,852 62	94,248 93	82,180 54	95,200 00	82,582 09	80,676 46	94,561 18
Registration of Voters.....	29,503 00	38,994 16	50,940 30	43,043 13	34,618 00	46,089 77	45,907 04	43,477 61	115,735 44
Registry Department.....	13,566 29	13,883 85	14,132 60	14,494 84	8,503 28	20,098 66	32,604 52	32,603 65	29,839 03
School Committee:	1,755,735 78	1,847,601 26	1,898,593 88	1,946,084 03	1,500,208 20	1,988,606 15	2,011,610 24	2,098,446 32	2,213,635 10
General Expenses.....	1,545,548 98	1,595,865 09	1,653,351 76	1,684,162 03	1,205,329 02	1,706,800 62	1,821,145 18	1,884,680 62	1,963,527 97
School Houses.....	220,187 80	251,736 17	246,242 12	262,522 00	204,819 27	221,805 53	190,465 06	213,765 70	250,107 13
Sealing of Weights and Measures ..	10,364 07	10,423 50	10,537 61	11,690 19	9,292 90	18,316 71	19,349 73	19,825 43	19,619 14
Sinking Funds Department	2,401 91	2,448 82	2,457 51	2,416 52	1,822 30	2,324 92	2,380 87	2,373 12	2,335 21
Street Department:	1,863,424 42	2,116,089 23	1,854,298 92	2,155,411 98	1,953,701 23	2,388,663 03	2,387,842 11	2,251,844 04	2,140,177 63
Central Office.....	28,456 74	94,778 87	99,891 82	108,201 10	16,030 00	18,793 60	20,805 96	20,884 29	18,315 79
Bridge Division.....	6,898 98	5,935 12	8,966 15	8,770 70	98,236 54	128,934 37	133,159 24	130,137 21	119,716 00
Cambridge Bridges Division	207,652 69	214,846 22	194,967 77	204,520 72	158,903 56	211,567 19	11,493 16	11,986 85	12,537 33
Ferry Division.....	821,130 61	776,099 89	669,955 59	867,597 93	648,600 32	707,990 99	213,746 76	212,988 13	209,911 30
Paving Division.....	503,713 86	493,347 31	490,044 90	527,212 16	330,567 64	469,370 74	745,681 52	715,008 62	683,899 42
Sanitary Division.....	174,135 81	490,495 24	342,635 23	381,232 03	370,825 28	458,108 19	481,300 63	407,439 02	432,778 52
Sewer Division.....	.....	.....	.....	.....	215,464 92	289,320 42	373,517 38	394,133 40	280,596 07
Street-Cleaning Division.....	.....	.....	.....	.....	464 41	.....	308,707 30	301,477 44	305,998 50
Street-Police Division.....	51,365 73	40,586 58	47,837 46	57,967 34	104,263 62	94,607 80	99,430 16	87,169 08	76,424 70
Watering Division.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Street Laying-out Department, office expenses.....	13,685 11	13,754 34	13,434 44	13,580 67	10,980 76	18,916 92	17,377 67	17,577 04	26,357 63
Surveying Department.....	32,000 00	33,495 91	35,000 00	38,271 56	29,205 98	35,193 87	48,163 39	38,608 72	119,446 44
Treasury Department.....	35,566 23	36,049 55	37,048 70	36,775 77	28,915 67	38,583 50	39,391 50	38,876 62	40,220 38
Wire Department.....	.....	.....	.....	.....	.....	.....	.....	.....	41,711 69
Advertising.....	2,034 21	2,168 08	2,496 24	.....	.....	.....	.....	.....	.....
Election Expenses.....	12,002 91	14,593 07	119,135 35	.....	.....	.....	.....	.....	.....
Boston Harbor.....	6,839 31	3,625 14	.....	.....	.....	.....	.....	.....	.....
County of Suffolk.....	472,019 24	522,921 63	530,168 77	507,755 66	378,215 52	520,009 12	549,018 91	624,372 88	647,534 99
House of Correction.....	102,247 72	110,756 84	100,035 96	87,984 24	67,875 14	91,191 10	97,592 36	96,074 02	94,711 79
Totals	\$8,692,764 96	\$9,412,166 51	\$9,378,266 55	\$9,687,337 54	\$7,960,923 83	\$10,346,765 42	\$10,631,490 19	\$10,845,315 69	\$11,241,971 63

¹ Expenses for six months.

PAYMENTS FROM REVENUE.

	1887-88.	1888-89.	1889-90.	1890-91.	9 months. 1891-92.	1892-93.	1893-94.	1894-95.	1895-96.
Cochituate Water-Works:									
Department Expenses.....	\$351,238 38	\$345,938 81	\$387,582 45	\$368,462 89	\$312,141 80	\$392,762 21	\$433,08 18	\$445,770 26	\$450,907 09
Extension of Mains.....						87,425 93	285,721 20	258,181 94	271,084 94
Mytic Water-Works:									
Department Expenses.....	149,646 95	160,143 33	143,203 73	132,469 92	116,438 21	120,364 49	160,643 97	156,214 05	189,104 61
Totals	\$501,085 33	\$506,082 14	\$510,786 18	\$500,932 81	\$428,570 07	\$509,542 63	\$879,773 35	\$850,166 31	\$862,086 64
Board of Police:									
Liquor License Expenses.....	\$29,715 73	\$31,455 78	\$32,502 92	\$32,127 25	\$23,948 25	\$31,682 69			
Signal System Expenses		21,839 01	39,939 18	60,758 61	34,695 59	52,792 80			
Totals	\$29,715 73	\$53,294 79	\$72,532 10	\$82,885 86	\$58,643 84	\$84,475 49			

LAYING OUT AND WIDENING STREETS.

Statement of amounts expended for Laying Out and Widening Streets,
and Grade Damages, from June 1, 1822 (first year of City Government), to
January 31, 1896.

A street, S. B.,	820,779 68	Brought forward,	\$3,784,748 91
Adams street,	350 00	Bell street, W. Rox.,	3,000 00
Adams street, Dor.,	8,316 64	Bellevue street, Dor.,	896 25
Akron street, Rox.,	150 00	Benedict street, Chsn.,	4,700 00
Albany street,	131,020 36	Bennington street, E. B.,	24,335 25
Albion street,	3,777 20	Berry street, W. Rox.,	794 30
Alden lane,	167 25	Beverly street,	26,164 37
Alden street,	124 00	Bigelow street, Br.,	3,497 60
Alford street, Chsn.,	5,090 03	Bird street, Dor.,	1,600 50
Alfred street, W. Rox.,	3,257 80	Blackstone street,	96,318 08
Allen street,	13,402 50	Blackstone and North	
Allen and So. Allen streets,	616 25	Centre streets,	1,690 00
Allston street, Dor.,	100 00	Blakmore street, W.	
Alpine street, Rox.,	873 00	Rox.,	600 80
Amory street, Rox.,	1,157 85	Blake's court,	4,960 00
Anawan avenue, W. Rox.,	733 67	Blanchard street, Rox.,	1,294 00
Ann street,	70,459 74	Blossom street,	4,315 57
Ann and Blackstone		Blue Hill avenue,	72,626 88
streets,	5,000 00	Bodwell street, Dor.,	75 00
Appleton street,	97,061 90	Bolton street, S. B.,	2,175 00
Arch street,	333,318 00	Border street, E. B.,	4,807 00
Arklow street,	3,500 00	Boston street, Dor.,	18,736 80
Arnold street, W. Rox.,	24,703 00	Boston and Albany R. R.	
Ash street,	778 74	crossing,	150 00
Ashland street, W. Rox.,	2,912 50	Bothnia street,	5,000 00
Ashmont street, Dor.,	292 61	Bow street, Chsn.,	3,943 75
Athens street, S. B.,	2,300 00	Bowdoin street,	1,089 56
Atherton street, W. Rox.,	5,750 00	Bowdoin street, Dor.,	49,149 24
Atkinson street,	39,475 66	Bowdoin square,	13,746 80
Atlantic avenue,	1,783,431 37	Bowen street, S. B.,	300 00
Auburn street,	14,078 00	Bower street, Rox.,	6,342 48
Avery street,	510 00	Bowker street,	44,793 34
Avon place,	115,208 81	Boylston street,	343,582 32
Avon street,	800 25	Boylston street, W. R.	6,076 99
Baker street, W. Rox.,	1,185 00	Brattle street,	25,533 60
Baldwin street,	8,500 00	Breed's Island, E. B.,	80 00
Bariett street,	2,479 24	Bridge street,	1,000 00
Bartlett street,	4 00	Brighton avenue, Br.,	15,685 00
Battery street,	63,715 91	Brighton street,	952 00
Baxter street, S. B.,	1,649 75	Brimmer street,	34,412 54
Beach street,	265,923 02	Broad street,	625,943 48
Beacon street,	561,329 52	Broadway Extension,	1,402,508 94
Bedford street,	164,809 23	Bromfield street,	80,040 14
Bedford and Kingston		Brook avenue, Dor.,	40 00
streets,	24,727 43	Brookline Park, Rox.,	100 00
Belcher's lane,	427 00	Brookline street,	3,093 64
Belknap street,	500 00	Brookford street,	1,000 00
Carried forward,	83,784,748 91	Carried forward,	\$6,721,900 13

<i>Brought forward,</i>	\$6,721,900	13
Brooks street, E. B.,	1,717	60
Brookside avenue, W. Rox.,	7,218	89
Brown avenue, W. Rox.,	208	46
Bryant street,	2,380	13
Bumstead lane,	37,673	00
Bunker Hill street, Chsn.,	24,051	00
Burke street,	177	06
Burroughs street, W. Rox.,	550	00
Bushnell street, Dor.,	1,865	50
Butler's row,	1,128	84
Buttonwood street, Dor.,	450	00
Byron street,	900	00
Cabot street, Rox.,	12,013	52
Call street, W. Rox.,	5,524	55
Cambridge street,	50,739	66
Cambridge-st. Bridge, over B. & A. R R.,	34,950	00
Cambridge street, Chsn.,	160	53
Cambridgeport street, Br.,	210	19
Camden street,	2,247	50
Canal street,	210	00
Canal street, Chsn.,	14,185	00
Canton street,	117,683	80
Carney place,	300	00
Carolina avenue, W. Rox.,	769	08
Carver street,	732	10
Cary street, Rox.,	918	03
Castle street,	3,518	00
Causeway street,	1,545	92
Cazenove place,	2,500	00
Central avenue, W. Rox.,	1,500	00
Central street,	18,515	95
Central street, Rox.,	4,332	00
Centre street, Dor.,	1,877	00
Centre street, W. Rox.,	2,041	73
Ceylon street, Dor.,	776	00
Chadwick street, Rox.,	1,497	00
Chambers street,	91,328	93
Chambers and Leverett streets,	851	75
Change avenue,	4,576	00
Change avenue and Faneuil Hall square,	3,532	00
Chapman place,	46,019	84
Chapman street,	27,283	84
Chardon street,	26,721	26
Charles street,	53,459	24
Charles street, Dor.,	1,866	60
Charlestown street,	11,409	00
Charter street,	2,240	46
Chatham street,	1,398	97
Chauncy street,	55,972	50
Chauncy place,	19,300	88
Chelsea street, Chsn.,	8,760	00
Cheney street, Rox.,	268	00
Cherry street,	1,347	80
Cherry street and Quincy street,	700	00

Carried forward, \$7,436,034 71

<i>Brought forward,</i>	\$7,436,034	71
Chester square,	1,988	24
Chestnut Hill avenue, Br.,	492	60
Chestnut street,	850	00
Child street, W. Rox.,	150	00
Church street,	35,012	80
Church street, Dor.,	475	15
Circuit street, Rox.,	15,563	85
City square,	100	00
Clapp street, Dor.,	2,669	21
Clarendon street,	3,400	00
Clark street,	7,482	41
Clay street,	1,100	00
Cliff street, Rox.,	17,973	88
Clifton street,	11,297	56
Clinton street,	26,898	31
Colony street, S. B.,	700	00
Columbia street, Dor.,	12,256	70
Columbus avenue,	1,259,107	76
Commerce street,	44,740	07
Commercial street,	620,864	18
Commercial street, Dor.,	3,250	00
Commonwealth avenue,	694,793	45
Conant street, Rox.,	1,080	25
Concord square,	1,500	00
Congress street,	1,180,652	02
Cooper street,	8,310	63
Copeland street, Rox.,	2,384	00
Corey street, W. Rox.,	2,421	71
Corinth street, W. Rox.,	1,216	00
Cornhill,	498	75
Cornwall street, W. Rox.,	3,600	00
Cottage street, Dor.,	20,968	65
Cotting street,	1,900	00
Court street,	84,628	68
Court square,	21,048	08
Cove street,	2,020	22
Cranston street,	1,000	00
Cross street,	28,427	23
Cross street, E. B.,	740	00
Curtis street, W. Rox.,	1,793	75
Cushing avenue, Dor.,	1,200	00
D street, S. B.,	69,442	60
Dacia street, Rox.,	3,734	88
Dale street, Rox.,	2,069	20
Dalton street,	4,500	00
Dana street,	1,650	00
Dartmouth street,	1,435	51
Davis street,	6,988	50
Day street, W. Rox.,	2,898	80
Deacon street,	7,190	78
Dean street,	1,250	00
Dearborn street, Rox.,	2,114	00
Dedham street,	21,638	11
Dennis street, Rox.,	286	15
Derne street,	5,889	46
Derne and Temple streets,	391	03
Devonshire street,	1,518,079	47
Dickens street, Dor.,	339	60
Distil House square,	633	19
Dix place,	933	75
Dix street, Dor.,	75	00

Carried forward, \$13,214,130 88

<i>Brought forward,</i>	\$13,214.130	88
Doane street,	5,131	75
Dock square,	7,491	87
Dorchester avenue,	32,613	21
Dorchester street, S. B.,	11,615	12
Dorr street, Rox.,	1,175	00
Dover street,	20,624	20
Dudley street,	182,539	25
Dunmore street, Rox.,	1,202	00
Dunreath street, Rox.,	2,100	00
Dunstable street, Chsn.,	7,600	00
Dustin street, Br.,	450	00
East street,	1,867	20
Eastburn street, Br.,	786	51
East Chester park,	84,610	65
East Dedham street,	500	00
East Eighth street, S. B.,	435	00
Eastern avenue,	292,197	01
East Fifth street, S. B.,	2,500	00
East Fourth street, S. B.,	160	00
East Second street, S. B.,	3,322	00
East Sixth street, S. B.,	6,225	00
East Springfield street,	2,548	00
Eliot street,	444,729	25
Eliot street, Jamaica Plain	414	25
Ellery street, S. B.,	550	00
Elm street,	16,204	29
Elm Hill avenue, Rox.,	4,479	18
Emerald street,	800	00
Emerson street, S. B.,	31,768	81
Erie street, Dor.,	2,526	11
Essex street,	93,253	48
Essex and Lincoln street,	214,501	46
Eustis street, Rox.,	9,030	75
Eutaw street, E. B.,	1,671	80
Everett street,	49,568	65
F street, S. B.,	1,343	75
Fairfield street,	30,300	00
Falcon street, E. B.,	550	00
Faneuil street, Br.,	24	20
Federal street,	902,241	35
Fenwick street, Rox.,	1,400	00
Ferdinand street,	53,850	00
Ferrin street, Chsn.,	11,753	00
Field street, Rox.,	250	00
Fifth street, S. B.,	3,349	48
First street, S. B.,	30,779	73
Fleet street,	58,352	29
Forbes street, W. Rox.,	6,169	74
Fort avenue, Rox.,	4,525	25
Fort Hill wharf,	113,575	00
Foster street, Br.,	7,894	19
Fountain street, Rox.,	190	00
Foundry street, S. B.,	900	00
Fourth street, S. B.,	9,675	58
Francis street, Rox.,	375	00
Franklin street,	367,182	64
Friend street,	216,345	37
Fruit street,	7,315	36
Fulton street,	22,380	60
Garden court,	2,371	96

Carried forward, \$16,603,907 12

<i>Brought forward,</i>	\$16,603,907	12
Garden street,	543	50
Gay Head street, Rox.,	514	42
Geneva avenue,	12,920	00
Georgia street, Rox.,	261	00
Gibson street, Dor.,	40	73
Gilbert street,	6,200	00
Gladstone street, E. B.,	150	00
Glendale street, Dor.,	1,200	00
Glenwood street, Rox.,	677	25
Gold street, S. B.,	3,109	82
Gore avenue, Rox.,	3,486	00
Granite street, S. B.,	4,000	00
Gray street,	2,925	00
Green street,	16,173	49
Green and Leverett streets,	1,473	57
Green and Pitts streets,	3,615	77
Green and Staniford streets,	5,502	25
Green, Dor.,	188	25
Green street, W. Rox.,	13,750	00
Greenheys street,	125	00
Greenough avenue, W. Rox.,	1,120	00
Greenough lane,	325	00
Green's alley,	5,450	00
Greenwood street, Rox.,	7,000	00
Gridley street,	280	64
Gridley and High streets,	813	56
Grove street, W. Rox.,	550	00
Guild row,	5,927	50
Guild street,	3,422	80
H and Athens streets,	91	00
Hadley street, Chsn.,	2,676	94
Halleck street, Rox.,	1,800	00
Hamburg street,	975	00
Hamilton street,	20,756	19
Hampden street, Rox.,	100	00
Ham's court,	8,428	75
Hancock street, Dor.,	10,828	52
Hanover avenue,	9,364	00
Hanover street,	1,694,700	04
Hanover and Court streets,	1,500	00
Harrison avenue,	638,462	10
Harrison avenue and Northampton street,	100	00
Hartford street,	300	00
Harvard avenue,	4,251	50
Harvard street, Dor.,	13,119	46
Harwich street,	4,490	62
Havre street, E. B.,	6,825	00
Hawes street,	250	00
Hawkins street,	6,008	89
Hawley street,	258,052	50
Hawthorn street, Rox.,	500	00
Heath street, Rox.,	12,882	49
Hecla street,	2,285	00
Henchman street,	15,390	50
Henshaw street,	2,250	00

Carried forward, \$19,422,041 17

<i>Brought forward,</i>	\$19,422,041	17
Hereford street,	18,562	50
Hewes street, Rox.,	1,100	00
Hewlett street,	100	00
High street,	280,070	93
High and Congress streets,	20,054	25
High and Pearl streets,	1,995	30
High street, Chsn.,	958	00
Highgate street,	2,825	25
Highland avenue, Rox.,	250	00
Hill street, Chsn.,	4,937	00
Hillside street, Rox.,	850	00
Holborn street, Rox.,	250	00
Hollis place, Rox.,	10,900	00
Homer street,	227	10
Houghton street, Dor.,	1,000	00
Howard avenue, Dor.,	15,154	07
Howard street,	3,476	00
Howard street, Dor.,	2,143	25
Hulbert street, Rox.,	500	00
Humboldt avenue, Rox.,	110,048	56
Humphreys street, Dor.,	444	30
Hunneman street,	7,900	00
Huntington avenue,	351,895	70
Hyde Park ave., W. Rox.,	3,339	38
Ivers street,	33,586	00
Jeffries street,	857	86
Jenkins street, S. B.,	171	00
Jerome street, Dor.,	4,000	00
Jerome place,	4,500	00
Judson street,	4,050	00
Kendall street,	750	00
Kenilworth street, Rox.,	187	48
Kennard avenue,	13,727	12
Kilby street,	29,472	62
King street, Dor.,	931	75
Kingsbury street, Rox.,	7,835	75
Kingston street,	300,764	86
Kirkland street,	1,000	00
Kneeland place,	22,788	30
Kneeland street,	282,899	60
L street, S. B.,	10,133	01
LeGrange place,	16,033	61
LeGrange street,	8,681	28
LeGrange street, W. Rox.,	60	00
Lake street,	2,023	93
Lamartine street, W. Rox.,	4,607	51
Lambert avenue, Rox.,	9,967	20
Lambert street, Rox.,	1,250	00
Lansing street, Rox.,	400	00
Laurel street, Rox.,	900	00
Lawn street,	100	00
Lehigh street,	3	60
Lenox street,	4,040	10
Leverett street,	59,043	12
Leverett and Causeway streets,	550	00
Lewis street,	5,000	00
Liberty square, etc.,	11,100	00
Lime street,	5,157	00
Lincoln street,	67,315	21
Lincoln street, Br.,	4,158	40

Carried forward, \$21,178,569 07

<i>Brought forward,</i>	\$21,178	569	07
Lindall street,	137,261	55	
Linden park, Rox.,	31,838	86	
Linden street, Brighton,	50	00	
Linwood street, Rox.,	650	00	
London street,	3,301	86	
London street, E. B.,	1,800	00	
Lynde street,	257	00	
Lynn street,	540	21	
Lynn and Charter streets,	222	75	
Madison street, Rox.,	486	00	
Magazine street, Rox.,	27,864	85	
Main street, Chsn.,	2,295	00	
Malden street,	5,353	00	
Mall street, Rox.,	244	13	
Marion street, E. B.,	13,176	20	
Market street, Br.,	10,828	53	
Marshall and Union streets,	20,462	00	
Marshfield street,	6,510	00	
Marvin street,	244	50	
Mason street,	805	14	
Massachusetts avenue, Br.,	196,400	00	
Mather street, Dor.,	51	00	
May street, W. Rox.,	1,875	00	
Mayo street,	4,114	00	
McLean street,	1,635	58	
Meander street,	450	00	
Mechanic street,	128	50	
Medford street, Chsn.,	100	00	
Melrose street,	2,615	80	
Melville avenue, Dor.,	6,280	00	
Mercantile street,	33,000	00	
Merchants row,	48,920	78	
Merrill street, Dor.,	85	25	
Merrimac street,	26,076	63	
Messinger street,	993	75	
Methodist alley,	100	05	
Michigan avenue, Dor.,	536	00	
Middle street, S. B.,	100	00	
Milk street,	217,387	38	
Mill street, Dor.,	15,325	00	
Mill Pond and Salem st.,	6,667	28	
Milton avenue, Dor.,	3,180	92	
Mindon street, Rox.,	12,361	50	
Minot street,	800	00	
Mitchell street, S. B.,	600	00	
Montview street,	2,000	00	
Moon street,	1,002	43	
Moon-st. court,	35,000	00	
Moore street, E. B.,	200	00	
Moreland street, Rox.,	1,479	75	
Morris street, E. B.,	350	00	
Morton street,	200	00	
Moulton street, Chsn.,	118	00	
Mt. Hope street, W. Rox.,	32	00	
Mt. Vernon and Olive streets,	3,048	37	
Mt. Vernon street, Dor.,	500	00	
Mt. Everett street, Dor.,	800	00	
Munroe street, Rox.,	4,234	96	
Myrtle court,	100	00	

Carried forward, \$22,071,560 58

<i>Brought forward,</i>	\$22,071,560 58	<i>Brought forward,</i>	\$23,772,183 57
Myrtle street,	6,740 81	Piedmont street,	5,000 00
Mystic street, Chsn.,	50 00	Pinckney street,	1,566 08
Napier street,	4,112 79	Pitts street,	479 40
Neponset avenue, Dor.,	161 00	Pleasant street,	1,047 07
New street, east of Custom-House,	15,000 00	Pleasant street, Chsn.,	15,842 50
New streets, S. B.,	3,406 59	Point Shirley road, E. B.,	250 00
Newbern street, Rox.,	953 48	Pond street, Dor.,	7,072 02
Newbury street,	19,177 36	Pond street, W. Rox.,	512 65
Newhall street, Dor.,	40 00	Poplar street, W. Rox.,	5,694 00
Newman street, S. B.,	250 00	Poplar and Allen streets,	400 00
Ninth street, S. B.,	202 25	Portsmouth street,	1,000 00
Norfolk avenue,	400 00	Porter street,	2,827 25
Norfolk street, Dor.,	9,126 67	Portland street,	383,486 45
North avenue, Dor.,	1,650 00	Preble street, S. B.,	4,547 71
North street,	340,712 01	Prentiss street, Rox.,	5,551 76
North square,	2,262 00	Prescott street, E. B.,	2,584 40
N. Bennet street,	240 66	Prince street,	83,688 00
N. Centre street,	11,020 00	Providence street,	2,633 48
N. Charles street,	37,439 12	Province street,	5,340 00
N. Grove street,	5,122 27	Purchase street,	114,097 40
N. Margin street,	32,850 63	Pynchon street,	43,808 64
N. Market street,	15,631 60	Quincy place,	12,784 00
Northampton street,	500 00	Quincy street, Dor.,	8,483 20
Norton street, Dor.,	1,200 00	Reed's court, Rox.,	2,118 60
Norwich street,	90 00	Regent street, Rox.,	4,265 00
O street, S. B.,	5,038 56	Remington street, Dor.,	1,681 62
Oakman street, Dor.,	200 00	Renfrew street, Rox.,	400 00
Oak place, W. Rox.,	215 00	Reservoir street, S. B.,	188 40
Old Harbor street, S. B.,	1,000 00	Richfield street, Dor.,	500 00
Oliver street,	466,657 33	Richmond street,	105,372 57
Olney street, Dor.,	8,036 75	Richmond and North sts.,	2,544 00
Ontario street, S. B.,	3,000 00	River street, Dor.,	4,526 20
Ophir street,	4,000 00	Robinson's alley,	477 64
Orange court,	4,535 50	Robinson street, Dor.,	758 72
Oregon street,	588 00	Rock street, Rox.,	1,500 00
Otis street,	66,512 00	Rockland ave., Rox.,	5,000 00
Oxford street,	2,483 49	Rockland street, Rox.,	1,079 40
P street, S. B.,	492 72	Rockwood street, W. Rox.,	100 00
Paris street, E. B.,	7,750 00	Rosedale street,	517 00
Park street, Dor.,	800 00	Roxbury street, Rox.,	1,000 00
Park street, Chsn.,	20,740 85	Ruggles street, Rox.,	13,936 50
Parker street,	9,244 76	Russell street,	654 58
Parker street, Rox.,	13,017 30	Ruth street,	2,400 00
Parker Hill avenue, Rox.,	4,170 41	Rutland street,	1,500 00
Parkman street, Dor.,	612 00	Sackville street, Chsn.,	4,800 00
Parnell street,	300 00	St. James street, Rox.,	2,749 66
Parsons street, Br.,	3,073 00	Salem street,	23,924 15
Paul Gore street, W. Rox.,	5,204 70	Saratoga street, E. B.,	11,610 40
Pearl street,	478,642 81	Savin Hill avenue, Dor.,	8,254 25
Pearl and Atkinson streets,	1,500 00	School street,	23,379 84
Pearl and High streets,	8,881 90	School street, W. Rox.,	1,987 25
Pearl and Purchase streets,	3,899 26	Scollay square,	700 50
Pearl, Purchase, and Gridley streets,	15,864 00	Sea street,	667 32
Pemberton square,	1,055 56	Sea and Broad streets,	77,880 91
Perkins street,	6,760 73	Sea and Cove streets,	561 40
Perry street,	11,700 62	Sea and East streets,	20 00
Peter Parley road and Bond avenue, W. Rox.,	6,428 00	Seaver street, Rox.,	7,372 00
Phillips street, Rox.,	29,879 00	Seaverns avenue, W. Rox.,	5,421 14
		Second street, S. B.,	4,275 00
		Seneca street,	1,500 00
		Seventh street, S. B.,	300 00
<i>Carried forward,</i>	\$23,772,183 57	<i>Carried forward,</i>	\$24,706,803 13

<i>Brought forward,</i>	\$24,706,803	18
Sewall street, Rox.,	6,926	11
Shawmut avenue,	360,279	63
Shelby street, E. B.,	7,035	34
Shelton street, Dor.,	1,928	50
Sheridan street,	1,900	00
Shirley street,	327	66
Sigourney street, W. Rox.,	2,158	00
Silver street, S. B.,	1,253	00
Sister street,	9,045	30
Sixth street, S. B.,	10,072	68
Smith street, Rox.,	48,267	60
Snowhill street,	5,338	75
Somerset street,	428	01
South street,	389,697,	67
South street, W. Rox.,	50	00
So. Cedar street,	8,000	00
So. Eden street, Chsn.,	4,850	55
So. Market street,	332,040	06
Spencer street,	727	00
Spring street,	2,287	00
Springfield street,	9,528	00
Stanford street	174,407	97
State street,	8,000	00
Sterling street, Rox.,	23,144	00
Stoughton street, Dor.,	415	00
Sturgis street,	305	00
Sudbury street,	64,611	57
Sudbury and North Charles streets,	4,506	50
Suffolk street,	1,106	00
Sullivan street, Chsn.,	100	00
Summer street,	345,734	59
Sumner street, Dor.,	150	00
Swett street,	307,956	07
Taber street, Rox.,	2,960	00
Talbot avenue, Dor.,	57,128	00
Telegraph street, S. B.,	243	00
Temple place,	113,800	00
Temple street,	8,152	72
Temple street, W. Rox.,	100	00
Terrace street, Rox.,	31,489	54
Texas street,	2,025	45
Thacher street,	1,465	00
Third street, S. B.,	500	00
Thomas street, S. B.,	790	32
Thomas street, W. Rox.,	54	00
Thornton street, Rox.,	890	40
Topliff street,	275	00
Transit street, Rox.,	7,052	33
Tremont place, Rox.,	3,706	25
Tremont road,	21,869	41
Tremont street,	746,079	20
Tremont and Chapman streets,	2,250	50
Trinity place,	200	25
Troy street,	10,704	00
Truro street,	600	00
Tufts street, Chsn.,	52,930	00
Turner street,	6,000	00
Union ave., W. Rox.,	550	00
Union street,	218,190	82

Carried forward, \$28,124,386 88

<i>Brought forward,</i>	\$28,124,386	88
Union park,	142	10
Union Park street,	23,898	30
Unity street,	163	75
Utica street,	6,900	00
Vale and Newman streets, S. B.,	600	00
Vernon street, Rox.,	14,562	80
Victoria street, Dor.,	40	00
Village street,	3,395	50
Vine street,	1,725	00
Walden street, Rox.,	7,096	00
Walk Hill street, W. Rox.,	70	00
Walnut avenue,	5,699	35
Walnut street, Dor.,	500	00
Walpole street, Rox.,	1,025	00
Waltham street,	40,271	43
Ward street, Rox.,	11,450	00
Warren street, Rox.,	111,448	77
Warrenton street,	50	00
Washington street,	2,907,707	62
Washington street, Br.,	42,496	85
Washington street, Dor.,	28,402	98
Washington st., W. Rox.,	1,350	00
Washington street, Rox.,	11,600	00
Washington Village and Dorchester, S. B.,	246	56
Water street,	662,213	48
Webber street, Rox.,	1,762	75
Webster avenue,	97	00
Webster street, E. B.,	60,000	00
Weld street, W. Rox.,	50	00
West street,	30,416	80
W. Cedar street,	1,300	00
W. Chester park,	178,702	35
W. Cottage street, Rox.,	5,908	75
Western avenue, Br.,	5,611	50
W. Fourth street, S. B.,	10,900	00
Weston street, Rox.,	17,200	00
W. Sixth street, S. B.,	250	00
Westville street, Dor.,	671	75
Whitfield street, Dor.,	711	60
Whitney street, Rox.,	1,500	00
Willard street,	12,187	15
Williams street, Rox.,	65,064	85
Williams street, W. Rox.,	1,269	66
Windsor street, Rox.,	2,492	00
Winter street,	4,672	26
Wise street, W. Rox.,	1,093	40
Woodbury street,	7,500	00
Woodman street, W. Rox.,	2,248	00
Worcester street,	1,000	00
Worcester square,	350	00
Wyman street, W. Rox.,	850	00
Zeigler street, Rox.,	36,905	96
Burnt District, 1872,	404,674	03
Salaries and other ex- penses, not chargea- ble to any one street,	520,387	74
Various streets, prior to 1851, none of which are over \$200,	1,412	94

Carried forward, \$33,384,632 86

<i>Brought forward,</i>	\$38,384,632 86
In addition to the above there has been expended for :	
Church Street District,	1,183,363 12
Fort-Hill Improvement,	1,584,251 20
Northampton Street District, exclusive of amount paid for laying out and widening streets,	490,102 16
Suffolk Street District,	2,428,248 96
	<hr/>
	\$39,070,598 80
	<hr/>

AN ACCOUNT OF THE
REAL AND PERSONAL PROPERTY
OF THE CITY OF BOSTON

ON THE THIRTY-FIRST DAY OF JANUARY, 1896.

*(Exclusive of the means in the hands of the Sinking-Fund Commissioners
for the redemption of the Debt of the City.)*

[The Assessors' valuation, May 1, 1895, of the real and personal property owned by the City of Boston was, exclusive of the Sinking-Funds and means on hand applicable to the redemption of the debt of the city, \$57,989,082.]

BONDS.

Public Land Bonds and Mortgages in the Collector's Office, January 31, 1896, \$791.

Mystic-River Corporation — twenty-seven shares of two thousand and thirty-eight.

ENGINEERING DEPARTMENT.

The following articles are in charge of the City Engineer :

One horse; 2 carriages; 1 sleigh; 2 harnesses; 3 robes; instruments for surveying and drawing; cases for plans and books; Reference Library, 1,103 vols.; 9,723 Plans Engineering Works, loose; 14 vols. Plans Engineering Works, bound; Photographs of Engineering Works; apparatus for blue-printing; 1 microscope; 1 mercurial barometer; 1 aneroid barometer; 1 holstetric barometer; 1 set hydrometers; 1 hygrometer; 1 pr. field-glasses; 2 typewriters; 2 dynamometers; 1 pentagraph; 1 calculating machine; 1 volt meter; 1 Bourdon pressure gauge; 1 comptometer; 2 thermophones.

SURVEYING DIVISION.

The following articles are in charge of the City Engineer :

OLD COURT-HOUSE. — Instruments for surveying and drawing; drawing and other paper; 1 pentagraph, 1 caligraph typewriter, books, tools, drawing-boards and desks, and drawing tables. In this division are 26,151 plans, besides which there are 4,004 lithographed plans.

FIRE DEPARTMENT.

The following property is in charge of the Commissioner of the Fire Department:

ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1.....	Dorchester st.....	5,098	Addition built 1874. Municipal Court, Ward-room 15, in this building.
2.....	Cor. of O and Fourth sts.....	4,000	
3.....	Bristol st. and Harrison ave.,	4,000	Ladder 3 in this building.
4.....	Bulfinch st.....	6,098	Chemical Engine 1, Lancers' Armory, and water-tower in this building.
5.....	Marion st., E.B.....	1,047	
6.....	Leverett st.....	2,269	
7.....	East st.....	1,893	
8.....	Salem st.....	2,568	
9.....	Paris st., E.B.....	4,000	Ladder 2 in this building.
10.....	River st.....	1,866	
11.....	Saratoga and Byron sts.....	10,000	
12.....	Dudley st.....	7,320	
13.....	Cabot st.....	4,832	Remodelled, 1870.
14.....	Centre st.....	5,713	
15.....	Dorchester ave., S.B.....	2,843	
16.....	River st., Dorchester.....	12,736	Ladder 6 in this building.
17.....	Meeting-house Hill, Dorchester.....		Ladder-house 7 on this lot.
18.....	Harvard st., Dorchester.....	10,225	
19.....	Norfolk st., ".....	7,683	
20.....	Walnut st., ".....	9,000	
21.....	Boston st., ".....	9,355	
22.....	Dartmouth st.....	4,463	
23.....	Northampton st.....	3,445	
24.....	Cor. Warren and Quincy sts.,	4,186	
25.....	Fort Hill sq.....	4,175	Ladders 8 and 14 in this building.
26.....	Mason st.....	5,623	Engine 35 in this building.
27.....	Elm st., Charlestown.....	2,600	
28.....	Centre st., West Roxbury...	10,377	Ladder 10 in this building.
29.....	Chestnut Hill ave., Brighton,	14,358	Ladder 11 in this building.
30.....	Mt. Vernon st., W. Roxbury,	16,275	
32.....	Bunker Hill st.....	8,188	
33.....	Cor. Boylston and Hereford sts.....	5,646	Ladder 15 in this building.
34.....	Western ave., Brighton.....	4,637	
36.....	Monument st.....	5,668	Chemical Engine 3 in this building.
37.....	Cor. Longwood and Brook- line aves.....	5,400	
38-39...	Congress st., S.B.....	4,000	
40.....	Sumner st., E.B.....	4,010	Remodelled, 1870.
41.....	Harvard ave., Brighton.....	6,112	Chemical Engine 6 in this building.
42.....	Washington st., Egleston sq.,	3,348	Chemical Engine 5 in this building.
43.....	Andrew sq.....	5,133	
46.....	In Ladder-house 16.		
CHEMICAL ENGINE-HOUSES.			
No. 2.....	Church st.....	3,412	
4.....	Shawmut ave.....	889	
7.....	Chelsea st.....	1,346	
8.....	B st., S.B.....	1,804	
10.....	Eustis st.....	1,754	
11.....	N. Grove st.....	3,918	

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3	Winthrop st., Chu.....	3,000	Armory in building.
Combina- tion Wagon No. 1	Dorchester Ave., Ashmont..		
Combina- tion Wagon No. 2	Fourth st.....	3,101	Remodelled, 1870.

HOOK-AND-LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1	Friend st.....	1,676	
2	Paris st., E. B.....		See Engine-house 9.
3	Harrison ave.		See Engine 3.
4	Dudley st.	3,923	
5	Fourth st.....	2,489	
6	River st., Dorchester.....		See Engine-house 16.
7	Meeting-house Hill.....		See Engine 17.
8	Fort Hill sq.....		See Engine 25.
9	Main st., Charlestown.....	4,200	Chemical 9 in this building.
10	Centre st., W. R.....		See Engine-house 28.
Ladder 12 and Hose 7	{ Temporary quarters at cor. Hampshire and Culvert sts.		
13	Washington st., near Dover.	1,007	
14	Fort Hill sq.		See Engine-house 25.
15	Boylston, cor. Hereford st...		Engine 33 in this building.
16	Roslindale	14,729	Engine 45 in this building.
17	Harrison ave.	2,134	

MISCELLANEOUS.

	Location.	No. of feet in lot.	Remarks.
Repair-shop..	Bristol st.....	23,663	
Fire Dept. H'dquarters.	Bristol st.....		
Fuel-house.....	Salem st.....	417	
Fuel-house.....	Main st., Charlestown.	2,430	
Ladder-house	Washington st., Dor..	5,624	

STEAM FIRE-ENGINES. — Forty-three in service, located as follows: Twelve in city proper; four in East Boston; six in South Boston; five in Roxbury District; six in Dorchester; three in Charlestown; four in West Roxbury; and three in Brighton.

FIRE-BOAT. — One; located India Wharf.

HORSE HOSE CARRIAGES AND WAGONS. — Forty-five, located as follows, viz.: Twelve in city proper; four in East Boston; six in South Boston; six in Roxbury; six in Dorchester; four in Charlestown; four in West Roxbury; and three in Brighton.

HOOK-AND-LADDER CARRIAGES. — Seventeen in service, including five extension ladder trucks, located as follows, viz.: Seven in city proper; one in East Boston; two in Roxbury; one in South Boston; two in Dorchester; one

in Charlestown; two in West Roxbury; and one in Brighton; and an Aerial ladder in the city proper.

COMBINATION WAGONS. — Two in service, located as follows: One in Dorchester; one in South Boston.

CHEMICAL ENGINES. — Eleven in service, self-acting, located as follows: Four in the city proper; one in East Boston; one in Charlestown; one in South Boston; two in Roxbury; one in West Roxbury, and one in Brighton.

WATER-TOWERS. — Two, located in city proper.

PORTABLE EXTINGUISHERS. — Carried on all of the ladder trucks and hose wagons, and located in the department houses.

HORSES — Two hundred and seventy-one.

FUEL-WAGONS. — Thirty-nine, each capable of conveying about two tons, to be used in case of large fires, when more fuel is needed than is carried on the engines.

WAGONS. — Seventeen engineers' (fourteen in service and three in reserve) and two commissioner's buggies.

PUNGS. — Forty-eight; forty-three for carrying hose, two for jobbing, and three for Fire Alarm branch. Engineers' sleighs, six. Commissioner's sleighs, two.

FIRE-LADDERS. — Two hundred and fifty, of different sizes.

HOSE. — About 90,000 feet of leading, and 1,000 feet of suction.

SPARE APPARATUS. — Six steam fire-engines and eight hose-carriages, five hook-and-ladder carriages and two chemical engines, one hose-pung, one salt-pung, three hose-wagons, three engineers' wagons, one combination wagon, and one fire-boat.

RESERVOIRS. — Two hundred and twenty-four, of which thirteen are located at East Boston; eighteen at South Boston; forty-one in Roxbury; eight in Dorchester; thirty-eight in Charlestown; sixteen in West Roxbury; one in Brighton, and the balance in the different wards of the city proper. They contain from 15,000 to 55,000 gallons each, and are supplied with Cochituate and Mystic water, except in West Roxbury and Brighton.

REPAIR-SHOP. — In the repair-shop, one 25-horse power steam-engine, cylinder 9 by 31 inches, Putnam Machine Co.; one 26-inch by 26-inch iron planer, 8-ft. table, 12-ft. bed; two 14-inch swing engine lathes, 6-ft. bed; one 14-inch swing engine lathe, 10-ft. bed; one No. 2 upright drill; 4 blacksmith's forges; one furnace for heating tires; one 28-inch swing standard engine-lathe; one 14-inch speed lathe, 5-ft. bed; one 14-inch swing patent engine-lathe, 5-ft. bed; one 25-inch shaping machine; one 68-inch radial drill; one 26 by 26-inch iron planer, 12-ft. bed, 8-ft. table; one patent goose-neck belt drill; one band saw; one circular saw; one monarch boring machine; together with numerous smaller tools and appliances, and also tools for repairing hose and harness.

Two upright tubular boilers, 100-horse power.

Two dynamos for lighting and fire alarm; one tire upsetter in the blacksmith shop; one No. 2 Blake pump in the hose and harness shop for testing hose.

HYDRANTS. — For supplying water in cases of fire, 6,756, viz.: in the city proper, 1,499; in South Boston, 593; in East Boston, 397; in Roxbury, 1,086; in Dorchester, 1,415; in West Roxbury, 903; in Brighton, 476; in Charlestown, 338; on Deer Island, 18; on Long Island, 6; on Thompson's Island, 2; and on Rainsford Island, 1. The hydrants are located at a distance of 250 to 300 feet from each other.

TELEGRAPHIC FIRE-ALARM.

Magnetic Fire-Alarm Apparatus, the estimated value of which is about \$171,000, as follows: working lines of wire, about 1,000 miles; signal-boxes in use, 572; striking-machines, 24; gongs, 125; box gongs, 75; tappers 3; local registers in department houses, 50; two clocks; one old repeating three-dial and two four-dial machines for striking signals; relays, 70; 1 fifty pen register; 1 ten-pen do.; office-bells, 7; office vibrating bells, 14; chime bells.

10; telegraph keys, 70; main circuit annunciators 70; local do., 70; fuse-boards for protecting circuits, 2; 2 switch-boards; 83 galvanometers; 2 portable rheotropes; 1 rheostat and bridge; 84 battery rheostats; 27 motor-generators; 2 generator stands; 1 power service board; 1 distributing board; 1 fire-apparatus covering map; 1 typewriter; 1 chronometer; 1 copying-press; 1 volt-meter; 1 mil-am-meter; 1 safe; 1 set telegraphic apparatus in superintendent's house; 5 sets telegraphic apparatus in assistants' house; brackets; wire; insulators, etc.; office furniture, bedsteads, bedding, and sundry small articles.

BELLS OWNED BY THE CITY.

Location.	Material.	Weight in lbs.
<i>City Proper.</i>		
Faneuil Hall.....	Steel.	5,816
Quincy School-house, Tyler Street.....	Composition.	2,941
Wells School-house, Blossom Street.....	"	1,675
<i>Charlestown.</i>		
Bunker Hill School-house.....	Composition.	2,009
City Hall.....	"	3,600
Warren School-house.....	"	3,000
Winthrop (old) School-house.....	"	3,000
Van Nostrand's Brewery.....	"	HIN
<i>East Boston.</i>		
Adams School-house, Webster Street.....	Steel.	2,995
Chapman School-house, Eutaw Street.....	"	3,109
Engine-house No. 40, Orleans Street.....	Composition.	817
Princeton-street School-house.....	"	2,470
Saratoga-street M. E. Church.....	Steel.	1,968
Trinity Church, Trenton Street.....	Composition.	1,760
<i>South Boston.</i>		
Engine-house No. 1, Dorchester Street.....	Composition.	2,911
Engine-house No. 2, Fourth Street.....	"	800
Lawrence School-house, B Street.....	Steel.	3,400
Lincoln School-house, Broadway.....	Composition.	3,110
Ticknor School-house, Dorchester Street.....	Steel.	2,995
<i>Dorchester.</i>		
Engine-house No. 16, Temple Street.....	Composition.	4,149
Engine-house No. 17, Meeting house Hill.....	"	4,000
Engine-house No. 18, Harvard Street.....	"	3,184
Engine-house No. 19, Mattapan.....	"	2,927
Engine-house No. 20, Walnut Street.....	"	3,061
Engine-house No. 21, Boston Street.....	"	3,026
<i>Roxbury.</i>		
George-street School-house.....	Composition.	4,160
Hook-and-Ladder-house No. 4, Dudley street.....	"	3,509
Lewis School-house.....	"	3,104
Smith-street School-house.....	"	4,083
<i>West Roxbury.</i>		
Engine-house No. 28, Centre Street.....	Composition.	4,000
Engine-house No. 30, Mt. Vernon Street.....	Steel.	1,000
Engine-house No. 45, Roslindale.....	Composition.	1,059
<i>Brighton.</i>		
Engine-house No. 29, Chestnut Hill Avenue.....	Steel.	1,535
Engine-house No. 34, Western Avenue.....	Composition.	1,501
Engine-house, No. 41, Allston.....	"	900

AT FIRE-ALARM REPAIR-SHOP.

Bell formerly used on house of Chemical Engine 5; one composition bell, 400 lbs., formerly used on house of Chemical Engine 4, Roslindale; one composition bell, 400 lbs., formerly used on house of Chemical Engine 6; and two small bells from other locations.

PUBLIC CLOCKS.

City Proper. — Christ Church, Salem street; Odd Fellows' Hall, Tremont street; Old South Church; Suffolk County Jail; State-street Clock; St. Stephen's Church; Clark street; Tremont-street M. E. Church; Young Men's Christian Union.

South Boston. — Bigelow School-house; Gaston School-house; Lincoln School-house; Phillips Church; St. Augustine's Church; Ticknor School-house.

East Boston. — London-street Church; Lyceum Hall; Trinity Church; Orient Heights Church.

Boston Highlands. — Winthrop-street Church; West End Stables, Tremont street; Roxbury High School-house.

Dorchester. — Tileston School-house; Baker Memorial Church, Upham's Corner.

Charlestown. — City Hall; High School-house.

Brighton. — Bennett School-house.

Jamaica Plain. — Unitarian Church.

Roslindale. — Congregational Church.

West Roxbury. — South Evangelical Church.

FURNITURE.

In the various offices in City Hall, Court-houses, and all the other public buildings; in the Grammar and Primary school-houses owned by the city, and in several rooms hired for school and other purposes.

HEALTH DEPARTMENT.

The following property is in charge of the Board of Health:

Twenty urinals, in different parts of the city. In office of City Physician, books and surgical instruments.

GALLOP'S ISLAND, containing about 16 acres, was purchased in 1860 for \$6,600, used as a Quarantine Station, on which are a dwelling-house, barn, coal-shed, two hospitals, two buildings for the reception and care of immigrants, a bath-house, a disinfecting plant, and thirteen small buildings, formerly used as polling booths, but now placed on the island for use as hospitals; steamboat wharf, storehouse for infected cargoes, and other buildings, with the live-stock, farming utensils, merchandise, provisions, tools, etc., for carrying on the Quarantine Department.

SMALL-POX HOSPITAL, Canterbury street, West Roxbury, built in 1877. Cost of land and buildings, \$31,388.78. The contents of the lot are 4.182 acres.

EPIDEMIC HOSPITAL, Swett street, 2 buildings erected in 1893.

STEAMBOAT "VIGILANT." — This boat is about 73½ tons burden, 95 feet in length, 17 feet beam, and 8 feet deep, and was built in Boston in 1886. Cost of boat and furniture, \$18,000. Employed in quarantine service.

MORGUE, North Grove street, surgical instruments; one funeral car.

BATH-HOUSES.

West Boston Bridge, for Men.

Charles River " " "

Warren " " Women.

Border street, East Boston, for Men.

" " " " Women.

Mount Washington avenue bridge, for Men.

City Point, foot of M street, for Women.

Foot of L street, for Men.

Dover-street bridge for Men.

" " " " Women.

Craigie's Bridge.

Commercial Point, Dorchester, for Women.

(Twelve dressing-rooms on the beach.)

Foot of Maverick street, for Men.

Chelsea Bridge, Charlestown, for Men.

" " " " Women.

Malden Bridge, for Men and Women, at different hours.

These houses are floating structures, except those at City Point and Commercial Point; the houses at the foot of M street and foot of L street are on the beach. Most of them are oblong, with wooden roofs, enclosing a water surface, around which, inside of the structures, are platforms. All the houses have dressing-rooms attached to them. Houses at M street and L street consist of a main building, with ells in which are dressing-rooms; from the end of these ells to the water are fences. In the offices of the superintendents are various articles of furniture, tools, and supplies for making small repairs.

CEMETERIES.¹

Mount Hope Cemetery. — Located in West Roxbury District, about $5\frac{1}{2}$ miles from the city proper. Additional land, with dwelling-house and other buildings on Berry street, bought, 1878, for \$4,500, containing two acres, and two lots of land on Berry street, purchased in 1877, for \$856.59, containing 12,237 feet; making total contents 107 acres and 1,347 feet. House occupied by the superintendent of the cemetery is owned by the city.

City Proper. — Copp's Hill, 88,800 square feet; King's Chapel, Tremont street, 19,200 square feet; Granary, Tremont street, 81,900 square feet; Central, Common, 60,200 square feet; South, Washington street, 75,000 square feet.

Roxbury. — Eliot ground, Eustis street, 34,700 square feet; Warren ground, Kearsarge avenue, 54,500 square feet.

South Boston. — Hawes, 16,800 square feet.

East Boston. — Bennington street, 157,500 square feet.

Charlestown. — Bunker Hill, between Elm and Polk streets, 48,000 square feet; Phipps street, 76,740 square feet.

Dorchester. — North, Upham's Corner, 135,036 square feet; South, Dorchester Lower Mills, 87,120 square feet.

West Roxbury. — Centre street, 39,450 square feet; Walter street, 39,216 square feet.

Brighton. — Evergreen, 602,230 square feet; Market street, 18,000 square feet.

Tombs. — Twenty-five in the South Burial-ground; one in Evergreen Cemetery, Brighton District; one in Phipps' Ground, Charlestown; one tomb for infants in South Burial-ground; two tombs for infants in the Copp's Hill Burial-ground; one for adults and one for infants in the Granary Burial-ground; one in the Chapel Burial-ground, for infants; one in the Central Burial-ground, for infants; three receiving-tombs at East Boston; one receiving-tomb in Dorchester, North; one receiving-tomb in Dorchester, South.

HOSPITAL DEPARTMENT.

The following property is in charge of the Trustees of the Boston City Hospital:

The land bounded by Harrison avenue, East Concord street, Albany street, and Massachusetts avenue, except the estates consisting of ten houses on Massachusetts avenue, corner of Harrison avenue. This lot consists of about 350,927 square feet of land. Also the land to the south-west of Massachusetts avenue, bounded by Albany street, Northampton street, and a passageway near Harrison avenue, consisting of about 125,736 square feet. On the first lot mentioned is the City Hospital proper, which consists of a group of nineteen buildings. On the second lot mentioned is situated the hospital for the infectious diseases, which consists of a group of seven buildings.

¹ All but Mount Hope Cemetery in charge of the Board of Health.

The Trustees also have charge of a plot of land on the east side of Albany street, in the rear of the hospital. On this lot is situated the ambulance stable, boiler-house, and dynamo station.

The Trustees also have charge of the Convalescent Home, situated on fifteen acres of land, at No. 2150 Dorchester avenue, near Dorchester Lower Mills. On this property is a three-story house, with a two-story ell, with accommodations for thirty-five patients and seven employés. There is also a barn, stable, shed, and a bowling-alley. About one-half of this property is highly improved, and one-half woodland and pasture.

IMPROVED SEWERAGE.

Land taken by and released to the city on account of construction of "Improved Sewerage" system:

A portion of Clapp street, east of Massachusetts avenue, reserving rights of way over it to previous owners, etc.; area, 1 qr., $9\frac{1}{2}$ rods.

A strip 20 feet wide between Clapp and Boston streets, reserving use of surface to previous owners; area, 10,512 square feet.

Hyde street, Dorchester avenue to O. C. R.R., reserving rights of way to previous owners; area, 44,060 square feet.

Washington avenue, Hyde street to Locust street, reserving rights of way to previous owners; area, 92,600 square feet.

Locust street, Washington avenue to Von Hillern street, reserving rights of way to previous owners; area, 6,600 square feet.

Von Hillern street, Locust street to Mount Vernon street, reserving rights of way to previous owners; area, 24,000 square feet.

Extension of Mount Vernon street across Calf Pasture, reserving rights of way to previous owners; area, 203,050 square feet.

Extension of Lowland street, South Boston, from Jenkins street to O. C. R. R., reserving rights of way to previous owners, 475 feet by 40 feet; area, 19,000 square feet.

Mount Vernon street, across O. C. R.R.; area, 2,952 square feet.

Land for sheds and storage on Massachusetts avenue, east of Albany street, 7,385 square feet (set off for use of "Improved Sewerage" by Committee on Public Lands).

Camden street, across B. & P. R.R., by mutual agreement; area, 1,320 square feet.

Pumping-station lot, at Old Harbor Point; area, $22\frac{1}{2}$ acres.

Land bought by city near Pumping-station lot at Old Harbor Point; area, 45,729 square feet.

Land added to Pumping-station lot by exchange with Bay State Gas Co.; area, 2,950 square feet.

A strip 20 feet wide, from low water, in Dorchester Bay to and across a roadway on Squantum Neck, reserving use of surface to previous owners; area, 12,155 square feet.

Upland in Squantum; area, about 19.5 acres.

Upland on Moon and Little Moon Islands; area, 37.65 acres.

Flats about Moon Islands and Squantum; area, 131. acres.

Right to use, conjointly with other users, a portion of roadway at Squantum, 2,045 feet long by 32 feet wide; area, 1.5 acres.

Park street across creek to private land, reserving use of surface to previous owners; area, 1,780 square feet.

Land on Brook street in Dorchester (no reservation); area, 6,810 sq. feet.

A strip, 8 feet wide, through Brook street, and across Howe street in Dorchester, reserving use of surface to previous owners; area, 6,545 square feet.

A strip, partly 20 feet wide and partly 10 feet wide, from Howe street to Mill street in Dorchester, reserving use of surface to previous owners; area, 10,863.4 square feet.

A strip, partly 12 feet wide and partly 20 feet wide, from Mill street to Pope's Hill street in Dorchester, reserving use of surface to previous owners; area, 22,375 square feet.

A strip, partly 20 feet wide and partly 10 feet wide, from Pope's Hill street to Commercial, now Freeport street in Dorchester, reserving use of surface to previous owners; area, 8,923 square feet.

A strip, partly 10 feet wide and partly 20 feet wide, from Commercial, now Freeport street in Dorchester, to the end of Bertram street, reserving use of surface to previous owners; area, 5,709 square feet.

A strip, 20 feet wide, from strip last before named, to the side of Bertram street in Dorchester, reserving use of surface to previous owners; area, 5,841 square feet.

A strip, 8 feet wide, in Bertram street, Dorchester, reserving use of surface to previous owners; area 378 square feet.

A strip, 8 feet wide, through Bertram street in Dorchester, reserving use of surface to previous owners; area, 7,096 square feet.

A strip, 10 feet wide, in Coffey street, reserving use of surface to previous owners; area, 2,470 square feet.

A strip, 10 feet wide, in Coffey street, reserving use of surface for purposes of a way to previous owners; area, 203 square feet.

A strip, 20 feet wide, from Coffey street to land of Blackwell, reserving use of surface to previous owners; area, 5,572 square feet.

A strip, 20 feet wide, from Coffey street to Blackwell street, reserving use of surface for purposes of a private way to previous owners; area, 7,852 square feet.

A strip, 10 feet wide, from north side Blackwell street to land of the trustees of the First Baptist Meeting-house, reserving to previous owners use of surface for purposes of a private way; area, 4,635 square feet.

A strip from land last mentioned to Chickatawbut street, reserving use of surface to previous owners; area, 3,120 square feet.

A strip, 8 feet wide, through Highland avenue, reserving use of surface to previous owners; area, 8,015 square feet.

A strip, partly 8 feet, partly 20 feet, and partly 30 feet wide, from Highland avenue to Marsh street, reserving use of surface to previous owners; area, 28,261 square feet.

A strip, 10 feet wide, across Marsh street, reserving use of surface to previous owners; area, 248 square feet.

A strip of various widths bordering on land of Old Colony Railroad Company, from Marsh street to Granite avenue, reserving use of surface to previous owners; area, 26,625 square feet.

A strip of various widths bordering on land of Old Colony Railroad Company, from Granite avenue to Butler street, reserving use of surface to previous owners; area, 65,487 square feet. This strip crosses the Shawmut branch of the Old Colony Railroad.

Two strips, 7 feet wide, bordering on the strip last mentioned, one extending from the depot lot at Granite avenue to land of Old Colony Railroad Company at Shawmut junction, the other from land of Old Colony Railroad Company at Shawmut junction to land of James Pope, near Butler street, taken to provide for surface drainage. They will revert to previous owners when drainage is otherwise provided for.

A strip, partly 10 feet wide, partly 20 feet wide, and partly 30 feet wide, in Butler street, between Adams street and O. C. R.R., reserving use of surface to previous owners; area, 6,749 square feet.

A strip, 10 feet wide, near Neponset River between Washington street and Central avenue, reserving use of surface to previous owners; area, 13,688 square feet.

LAMP DEPARTMENT.

The Superintendent of Lamps has charge of 7,592 gas-lamps, 2,676 naphtha-lamps, 2,434 arc lights, and 28 incandescent light, besides posts, brackets, ladders, and the necessary tools used in lighting the lamps and repairing the same, 6 horses, 6 wagons, 2 top buggies, 1 open buggy, 2 sleighs 4 pungs, and 10 sets single harnesses, and 2 sets double.

Repair-shop, No. 690 Albany street, built in 1874; the lot contains 8,000 square feet.

LAND AND HOUSES.

In Charge of the Board of Street Commissioners.

CITY PROPER:	Sq. ft.
Harrison avenue, corner of Wareham street, land and building, Leased for five years from April 30, 1892, at \$1.050 a year.	3,816
Albany street, land opposite East Brookline street Rented for \$100 a year.	1,074
Harrison avenue, land between Brookline and Newton streets .	4,740
Stoughton street, land, north-east side	11,868
Albany street, wharf	26,024
Part of, rented for \$520 a year.	
Land used by the City Hospital	5,021
CHARLESTOWN:	
Rutherford avenue, land on north-east side	29,445
Small part of, rented at \$12 a year. Remainder occupied by city departments.	
SOUTH BOSTON:	
East First and L streets, land	33,700
East First and L streets, flats	50,000
ROXBURY:	
Swett street, land and building, old Small-pox Hospital	111,431
10,660 square feet, leased for five years from Nov. 1, 1894, for \$300 a year.	
About 42,000 square feet set aside for use of Fire Department, by order of the City Council; approved April 30, 1892. Now occupied by hospital for contagious diseases, in charge of the Board of Health.	
Building rented for \$300 a year.	
Fellows street, near Hunneman street, land	25,470
Set apart for a playground, by order of the City Council; approved June 12, 1889.	
Ritchie street, land opposite the Marcella-street Home	22,716
DORCHESTER:	
Dorchester avenue and Gibson street	208,750
42,000 square feet rented to Sewer Division of Street Depart- ment, at \$150 a year.	
32,600 square feet rented to Water Department at \$125 a year.	
52,200 square feet rented to Paving Division of Street Depart- ment, at \$200 a year.	
Gibson street, land on southerly side, near Dorchester avenue .	27,040
Gibson street, land on southerly side, near Adams street	27,890
Dorchester avenue and Park street, land	250,553
About 129,240 square feet placed in charge of Department of Public Grounds for a playground, by an order of the City Council, dated May 23, 1889.	
Boston street, near Upham's Corner	1,345
Baker's court, old lock-up estate	1,580
WEST ROXBURY:	
Moreland street, land	30,421
BRIGHTON:	
Western avenue, marsh, north-east of Western avenue, and north-west of North Harvard street	10,890
Parkman street, land on south-west side of	5,000
ISLANDS, ETC.:	
Great Brewster Island, Boston Harbor, about 16 acres. Rented for \$100 a year.	
Apple Island, Boston Harbor, about 9½ acres.	
Summer and Pleasant streets, in town of Everett, old gravel pits,	20,700

ISLANDS.

APPLE ISLAND, containing 9½ acres, purchased in 1867 for \$3,750.

DEER ISLAND, containing about 134 acres of upland and about 50 acres of flats.

GALLOP'S ISLAND, containing about 16 acres, was purchased in 1860 for \$6,600.

GREAT BREWSTER ISLAND, in the town of Hull, containing about 16 acres, purchased in 1848 for \$4,000.

LONG ISLAND, taken by an order of the City Council, approved January 3, 1885, containing about 182 acres.

RAINSFORD ISLAND (with buildings thereon), purchased in 1871, of the Commonwealth at a cost of \$40,000, containing 11 acres.

See property in charge of Institutions Commissioner, Board of Health and Street Commissioners.

LIBRARY DEPARTMENT.

In the Public Library on Dartmouth street and its branches in East Boston, South Boston, Roxbury, Dorchester, Charlestown, Brighton, Jamaica Plain, West Roxbury, South End, and West End Districts there are about 626,066 bound volumes, besides manuscripts, pamphlets, statuary, and paintings. The Tosti engravings embrace some in frames, 5,100 in bound volumes, and several hundred in portfolios.

PARK STATISTICS TO JANUARY 31, 1896.

PARKS.	Year of Taking.	COST TO DATE.		Total.	Area.	Length of Driveways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction.						
MAIN PARK SYSTEM:									
Commonwealth avenue.....	1894.....	.....	\$98,881 77	\$98,881 77	30 acres.....	2.8 miles..	4.13 miles..	1.1 miles..	28 acres.
*Fens.....	1879.....	\$506,254 49	2,038,262 40	2,634,516 89	115 "	4 "	0.7 "	1.2 "	"
*Riverway.....	1890.....	452,457 53	551,613 91	1,004,071 44	40 "	1.4 "	2.8 "	1.2 "	"
†Liverett Park.....	1890 and 1892..	200,050 97	342,337 07	602,388 04	60 "	1.2 "	3.4 "	0.9 mile..	14 "
Jamaica Park.....	1892.....	812,843 56	142,206 53	955,050 09	120 "	1.5 "	5.6 "	0.7 "	64.5 "
Arborway.....	1892.....	244,468 63	175,024 86	419,493 49	36 "	3.4 "	1.25 "	1.4 miles..	"
*Arboretum.....	1882 and 1895..	74,043 38	232,717 42	306,760 80	223 "	3.7 "	7.2 "	"	0.6 acre.
West Roxburyway.....	1894.....	7,570 94	2,654 20	10,225 14	150 "	4.1 "	"	"	"
*Franklin Park.....	1883 and 1884..	1,551,196 63	1,780,807 77	3,331,094 40	527 "	10.0 "	19.1 "	2.5 "	7.4 acres.
MARINE PARK SYSTEM:									
*Dorchesterway.....	1892.....	63,735 54	47,821 43	111,556 97	6 "	0.75 mile..	1.6 "	"	"
Strandway.....	1890 and 1892..	356,830 97	23,063 09	379,914 06	20 "	1.7 miles..	3.1 "	"	"
*Marine Park.....	1883.....	232,972 57	995,576 33	1,228,548 90	32 "	0.9 mile..	2.6 "	"	4.4 "
Castle Island.....	1890.....	.....	32,166 42	32,166 42	21 "	0.4 "	1.6 "	"	"
*CHARLESBANK.....	1883.....	373,916 99	305,337 93	679,254 92	10 "	"	1.5 "	"	"
*WOOD ISLAND PARK.	1882 and 1891..	132,800 00	204,917 16	337,717 16	46 "	1.1 miles..	2.9 "	"	"
*CHARLESTOWN HEIGHTS.....	1891.....	50,538 02	90,051 79	140,589 81	165 "	"	0.4 mile..	"	"
" " PLAYGROUND,	1891.....	172,923 31	7,065 11	180,018 42	14 "	"	0.9 "	"	"
PUBLIC PARK, NORTH END.....	1893.....	407,540 24	15,207 12	420,747 36	4 "	"	0.43 "	"	"
*DORCHESTER PARK... ..	1891.....	63,230 97	2,789 37	66,029 34	26 "	"	"	"	"
FRANKLIN FIELD.....	1892.....	155,810 86	65,523 00	221,334 46	77 "	"	"	"	"
*PLAYSTAD, NO. BRIGHTON .	1894.....	21,589 63	.....	21,589 63	14 "	"	"	"	"
General account .....	.....	\$6,030,784 23	\$7,161,165 28	\$13,191,949 51					
Park Nursery.....	.....	.....	73,987 50	73,987 50					
Betterment expenses.....	.....	.....	29,947 07	29,947 07					
	.....	.....	13,356 10	13,356 10					
		\$6,030,784 23	\$7,278,465 95	\$13,300,240 18	2,162 acres.	36.95 miles.	65.21 miles.	7.8 miles.	126.9 acres.

* The lands in these parks have been paid for in full.

† An additional area of 34 acres is within the limits of the town of Brookline.

POLICE DEPARTMENT.

The following property is in charge of the Board of Police, and kept for the use of the Department:

POLICE STATION-HOUSES.

	Location.	No of feet. in lot.	Remarks.
No. 1.....	Hanover street.....	6,188	Rebuilt. 1870. Additions to and rebuilding, 1890.
2.....	Court square.....	2,029	
3.....	Joy street.....	6,100	
4.....	LaGrange street	5,150	
5.....	East Dedham street	3,303	Addition built in 1884.
6.....	West Broadway	4,253	Enlarged and rebuilt, 1879.
7.....	Meridian street.....	3,773	
8.....	Commercial street.....	5,323	Harbor Police-station.
9.....	Dudley street	6,797	
10.....	Pynchon street.....	6,340	
11.....	Adams st., Dorchester Dist.,	7,500	Court-room and branch of Public Library in this building.
Police quarters)	Washington street.....	11,640	Bank building, Dorchester Branch Public Library in this building.
Lock-up ...	Walnut street, Neponset....	1,476	
No. 12.....	East Fourth, near K street..	7,217	
13.....	Seaverns avenue	9,701	Municipal Court, W. Roxbury District, in this building.
Lock-up ...	Centre st., West Roxbury...	1,028	In old engine-house.
No. 14.....	Washington street, Brighton District	13,431	Municipal Court and Ward-room 25 in this building; also Stable for Police Department.
15.....	Corner Harvard street and City square.....		Old City Hall, Charlestown.
16.....	Boylston street, near Hereford street.....	10,486	

Furniture contained in 16 Police-stations, 12 Patrol stables, and the City Prison, with 2,000 police clubs, 900 belts, 1,290 revolvers, 1,250 badges, etc.

At the Police Headquarters are kept the books, papers, and records of the department, a Rogues' Gallery, containing 3,829 portraits of as many notorious criminals.

The Police steamer "Protector" and Police steam-launch "Patrol," which are fully equipped for police or fire duty, and are kept constantly in active service. They are manned by officers of the Police Department.

Sixty-one horses and equipments, 8 police ambulances, 3 Concord wagons, 4 buggies, 1 repair wagon, 2 vans for House of Detention, 2 police vans, 17 patrol-wagons, 11 patrol-pungs, and 7 sleighs.

TELEPHONES, connecting all the stations with Headquarters, 37 Pemberton square.

A police signal system, comprising 421 street signal-boxes and 15 receiving desks, with batteries, wires, and fixtures.

POUND.

Ashley avenue, East Boston.

PUBLIC BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
Church building	Corner Dudley and Vine streets . .	11,592	Ward room 20 in this building, and Vine-st. Chapel on this lot.
City Hall	School st.	25,915	
City Hall	City sq., Charles- town District . .	8,246	Branch Public Library, Munic- ipal Court, Police Station- house 15, and Evening Draw- ing School. Also Patrol wagon-house on this lot.
Central Charity Bureau . .	Chardon st. . . .	19,962	Boiler and storehouse on lot.
City Temporary Home . .			
Curtis Hall	South st., W. R. .	49,907	Branch of Public Library in this building.
Engine-house lot	Soley st	2,230	Rents for \$150 per annum.
Faneuil Hall, and market under same	Faneuil Hall sq. .	8,460	
Faneuil-hall market-house, and Quincy hall over same	North and South Market sts. . . .	27,400	
Highland-st. stables	Highlands	81,082	Three buildings.
House and land	Roxbury st. . . .	4,190	Rents for \$300 per annum.
House of Reception	North Grove st . .	11,792	
New Public Library	Copley sq.	65,684	
Old Armory building	Maverick st. . . .	4,337	Ward-room 2 in this building, and Post 159, G.A.R.
Offal depot, wharf, and dock	Albany st.	39,511	
Old Franklin School-house,	Washington st. . .	11,471	Ward-room 16. Posts 7 and 15, G.A.R., in this building. Lease expires July 1, 1897.
Old Court-House	Court sq.	15,175	
Old Public Library	Boylston st. . . .	23,415	
Old State House	State st.	4,239	
Old Winthrop School-house,	Bunker Hill st., Charlestown . . .	7,927	Armory and Ward-room 3 in this building.
Probate Building	Court sq.	2,423	Occupied by the Street Dep't.
Small-Pox Hospital	Canterbury st. . .	182,168	
Smith School-house	Joy st.	1,938	Leased to Post 134, G.A.R., from Jan. 1, 1893, to Jan. 1, 1899.
South City stables	Albany st.	90,780	Four buildings and four sheds.
Stable	Hancock st. . . .	109,444	Four buildings, occupied by Paving Division.
Stable	Chauncey pl. . . .		Rents for \$150 per year, on lot with Chauncey-pl. School.
Stable	Rutherford ave . .	17,300	Two buildings, occupied by Street Department.
Storehouse	Chauncey pl. . . .		On lot with Chauncey-pl. School.
Storehouse	Wareham st. . . .	8,500	
Town Hall	Washington street, Dorchester . . .	16,800	Used for drill-hall, for Dorches- ter High School.
Town Hall	Washington st., Brighton	13,431	Ward room 25 in this building; other room leased to Post 82, G.A.R., for 5 years from Dec. 1, 1893.
Ward-room 19	Cabot st., Rox. . .	7,469	
Wayfayers' Lodge	Hawkins st. . . .	9,523	
West City stables	North Grove st. .	33,306	Two buildings.
Westerly Hall	Centre st., West Roxbury	5,644	Branch Public Library in this building, and one room used for school purposes.

COUNTY BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
Court-house.....	Pemberton sq.....	87,035	Three buildings.
Jail.....	Charles st.	130,740	
Municipal Court, Roxbury District.....	Roxbury st.....	14,300	Evening Drawing School in this building.

PUBLIC GROUNDS AND CITY SQUARES.

In charge of Superintendent of Public Grounds.

Name.	Location.	Area.	Remarks.
CITY PROPER.			
Common	Park, Tremont, Boylston, Charles, and Beacon Sts.	1 48 2.5 acres.	Enclosed by iron fence.
Public Garden	Charles, Boylston, Arling- ton, and Beacon Sts. ...	24 1-4 "	"
Fort-Hill Square.....	Oliver and High Sts.....	29,480 sq. ft.	
Franklin Square	Washington, East Brook- line, East Newton, and James Sts.....	105,205 "	
Blackstone Square ...	Washington, W. Brook- line, W. Newton Sts., and Shawmut Ave.....	105,100 "	
Massachusetts Ave...	Between Albany St. and Harrison Ave.....	9,300 "	
Massachusetts Ave...	Between Harrison Ave. and Washington St....	13,050 "	
Massachusetts Ave...	Between Washington and Tremont Sts.....	74,000 "	Malls enclosed by iron fence.
Massachusetts Ave...	Between Tremont St. and Columbus Ave.....	10,150 "	
Union Park	Between Tremont St. and Shawmut Ave.....	16,000 "	Enclosed by iron fence.
Worcester Square....	Between Washington St. and Harrison Ave.....	16,000 "	
Lowell Square	Cambridge and Lynde Sts.	5,772 "	Enclos'd by iron fence
Park Square	Columbus Ave., Elliot and Pleasant Sts.....	2,867 "	
Copley Square.....	Between Huntington Ave., Boylston and Dartmouth Sts.....	28,399 "	Enclosed by granite curb.
	Between Huntington Ave., Trinity Pl., and St. James Ave.....	5,410 "	"
Concord Square.....	Between Tremont St. and Columbus Ave.....	5,000 "	
Rutland Square	Between Tremont St. and Columbus Ave.	7,400 "	
Berwick Park.....	Between Columbus Ave. and N.Y., N.H. & H.R.R.	3,800 "	Enclosed by a granite curb.
Greenwich Park	Between Columbus Ave. and N.Y., N.H. & H.R.R.	4,100 "	"
City Hall Grounds....	School St.	7,700 "	
Square	Harrison Ave., opposite Union Park St.....		
SOUTH BOSTON.			
Telegraph Hill	Thomas Park.....	190,000 sq. ft.	Encl'd by iron fence.
Independence Square..	Broadway, Second, M & N	6½ acres.	
Lincoln Square.....	Emerson, Fourth, and M..	9,510 sq. ft.	"
EAST BOSTON.			
Maverick Square . . .	Sumner and Maverick . .	4,398 sq. ft.	Enclosed by stone curb.
Central Square	Meridian and Border . . .	33,310 "	"

¹ Exclusive of cemetery, containing one and a quarter acres.

PUBLIC GROUNDS AND CITY SQUARES. — *Continued.*

Name.	Location.	Area.	Remarks.
Belmont Square . . .	Webster, Sumner, Lam- son, and Seaver . . .	30,000 "	Encl'd by iron fence.
Putnam Square . . .	Putnam, White & Trenton,	11,628 "	"
Prescott Square . . .	Trenton, Eagle & Prescott,	12,284 "	"
ROXBURY DISTRICT.			
Madison Square . . .	Sterling, Marble, War- wick, and Westminster,	122,191 "	
Orchard Park . . .	Chadwick, Orchard Park, and Yeoman sts. . .	99,592 "	
Washington Park . .	Dale and Bainbridge Sts.	396,125 "	
Longwood Park . . .	Park and Austin Sts. . .	21,000 "	
Walnut Park . . .	Between Washington St. and Walnut Ave. . .	5,736 "	
Lewis Park . . .	Highland St. and High- land Ave. . .	5,600 "	
Bromley Park . . .	From Albert to Bleckford	20,975 "	Three enclosures.
Fountain Square . .	Walnut Ave. from Mun- roe to Townsend St. .	116,000 "	
Cedar Square . . .	Cedar St., between Jun- iper and Thornton Sts.	26,163 "	
Linwood Park . . .	Centre and Linwood . .	3,625 "	Encl'd by stone curb.
Public Ground . . .	Centre and Perkins Sts.	3,200 "	
Public Ground . . .	Warren, St. James, and Regent Sts. . .	1,380 "	Enclosed by granite curb.
Highland Park . . .	Fort Hill Ave. . .	114,065 "	
Public Ground . . .	Junction of Huntington, Ave., Tremont and Francis Sts. . .	1,662 "	
Square . . .	Albany St., near Mall . .		
DORCHESTER DIST.			
Dorchester Square . .	Meeting house Hill . . .	56,200 "	Soldiers' Monument on this square.
Eaton Square . . .	Adams and Bowdoin . .	13,290 "	
Mt. Bowdoin Green . .	Top of Mt. Bowdoin . .	25,170 "	
Richardson Square . .	Between Pond and Cot- tage Sts. . .	75,982 "	
Public Ground . . .	Magnolia St. . .	3,605 "	
Public Ground . . .	Dorchester Field ¹ . . .	274,000 "	
Adams Square . . .	Adams St., Pierce Ave. .		
Public Ground . . .	Adams St., near Cedar Grove Cemetery . . .		
CHARLESTOWN DIST.			
City Square . . .	Head of Bow and Main sts.	8,739 "	Encl'd by stone curb and iron fence.
Public Ground . . .	Water St., Charles River Ave., and Warren Ave.	3,055 "	Encl'd by stone curb.
Sullivan Square . . .	Main, Cambridge, Sever, and Gardner Sts. . .	56,428 "	
Winthrop . . .	Winthrop, Common, and Adams Sts. . .	38,450 "	Encl'd by iron fence. Soldiers' Monument on this square.
Public Ground . . .	Essex and Lyndeboro' Sts.,	930 "	
Public Ground . . .	Bunker Hill and Vine Sts.,		
WEST ROXBURY DIST.			
Soldiers' Monument Lot	South and Centre Sts. . .	5,870 "	
Public Ground . . .	Top of Mt. Bellevue . .	27,772 "	
BRIGHTON DIST.			
Rogers Park . . .	Foster St. . .	300,200 sq. ft.	
Public Ground . . .	Pleasant and Franklin Sts. . .	1,900 "	
Jackson Square . . .	Chestnut-Hill Ave. Union and Winship Sts. . .	4,300 "	Enclosed by stone curb.
Brighton Square . . .	Between Chestnut Hill Ave. and Rockland St., and opposite branch of Public Library . . .	25,035 "	
Franklin Square . . .	Between Franklin and Fern Sts. . .	1,900 "	
Greenhouse and Nurs- ery Grounds . . .	Between Massachusetts Ave. and E. Cottage St.	102,431 "	Greenhouses, nursery hotbeds, office, store- house, and stable.
Storehouse Grounds . .	On Massachusetts Ave., adjoining location of N. Y. & N. E. R.R. . .	96,375 "	For storehouses, nurs- ery, etc.

¹ Property of Gibson School Fund.

One fountain each on Franklin, Blackstone, Chester, Worcester, Independence, Central, Maverick, Sullivan, and Jackson squares; Chester and Union parks; Brewer Fountain on Common; "Maid of the Mist," with wooden coverings for the same, and three fountains on Garden; Lyman Fountain, with covering, at Eaton square; one tool-house on Common; wooden building at deer-park, used as an office.

Tools, mowing-machines, settees, etc.

PUBLIC INSTITUTIONS.

The following property is in charge of the Institutions Commissioner :

DEER ISLAND. — Containing about 134 acres of upland, about 50 acres of flats, on which is the large brick building known as the **HOUSE OF INDUSTRY**. A brick and wooden building for women, a farmhouse, brick work-shop, and receiving-house, laundry, bakery, and engineer's house, piggery, two large barns, hospital, and other buildings; steamboat wharf and another landing place; stone-sheds, farming utensils, live-stock, merchandise, provisions, tools, etc., required for carrying on the House of Industry.

Additions and alterations are being made by which 500 new cells are to be added to the House of Industry at a cost of \$125,000.

RAINSFORD ISLAND (with the buildings thereon), purchased in 1871 of the Commonwealth at a cost of \$40,000, containing 11 acres. The buildings are occupied by the House of Reformation.

HOUSE OF CORRECTION. — This institution occupies an area of 821,875 feet of upland, to which is appended about 1,310,700 feet of flats, which, with the Master's house, workshop, outhouses, and other appendages, the furniture, farming and mechanics' tools and utensils, fire-engines, provisions, machinery for manufacturing, horses, and other live-stock, belong to the city. There is in the House of Correction workshop a steam-engine of twenty-horse power, and boiler, with shafting, etc., for carrying machinery, and the necessary apparatus for heating the prison work-shops and chapel with steam.

ALMSHOUSE, ALFORD STREET, CHARLESTOWN, is situated on a lot containing 104,191 feet, near the Everett line, a short distance from the Malden bridge. The building is of brick, built in 1849; is 100 feet long by 45 feet wide, 3½ stories high, with two wings, 39 feet by 19 feet. There are a large barn and other outbuildings upon the lot.

AUSTIN FARM (DORCHESTER). — The site purchased by the city for a Home for the Poor contains about 50 acres, and is bounded on the easterly side by Back street, on the southerly side by Morton street, on the westerly side by Canterbury street, and on the northerly side by Austin terrace, so called, and is now occupied as a ward for chronic and mild cases of insane of the Boston Lunatic Hospital. On this estate are a house, barn with silo of a capacity of 325 tons, piggery, ice-houses, and sheds. A dormitory of two stories; two hospital buildings, a building to be used as chapel, amusement-hall, and dining-room; also a boiler and power-house (in which is located the laundry) have been built, and are now occupied by 100 patients, transferred from South Boston.

The Pierce farm, so called, situated on Walkhill and Canterbury streets W. Roxbury, and containing about 35 acres, was purchased in 1892 for a site of the new Lunatic Hospital, at a cost of \$34,500. On it is a dwelling-house (12 rooms). Two tracts of land containing 41 22-100 acres adjoining the Pierce Farm were purchased in 1893, costing twenty-three thousand dollars (\$23,000). There have been constructed for the Lunatic Hospital two hospital buildings, a domestic building, boiler and power house. The stable and barn were removed to new locations.

MARCELLA-STREET HOME. — Building formerly occupied by the city of Roxbury as an almshouse. Additions and alterations were made in 1876-77 and 1881, for the accommodation of pauper and neglected children. Contents of lot, 152,000 square feet.

STEAMER "J. PUTNAM BRADLEE."—This boat is 340 tons burden, 140 feet long, 26 feet 3 inches beam, 45 feet breadth over all, 8 feet 6 inches deep, and was built at Greenpoint, L.I., in 1875. Cost, including outfit, \$43,836.19. Used for conveying prisoners, passengers, provisions, etc., to and from the city to the Deer, Rainsford, and Long Island institutions.

LONG ISLAND.—Contains about 182 acres. A building to accommodate about 600 persons was erected on this island in the years 1886 and 1887, and is now occupied by male paupers. A building for female paupers, a hospital, a chapel, seating 800, and a house for the superintendent have been erected.

PARENTAL SCHOOL.—The Bolles estate, situated on Spring street, W. Roxbury, consisting of about 28 acres of land, dwelling-house, farmer's house, stable, ice-house, boat-house, sheds, etc., was purchased in August, 1892, at a cost of \$30,000, for a Parental School. There has been erected on this place a kitchen and a laundry-house and a dormitory building.

There is in process of erection two cottages and a hospital to cost \$50,000.

OVERSEEING OF THE POOR DEPARTMENT.

In charge of the Board of Overseers of the Poor.

CENTRAL CHARITY BUREAU BUILDING, located at the corner of Chardon and Hawkins streets, is occupied by the Overseers of the Poor, the Paymaster of the Soldiers' Relief, and the following charitable societies: Boston Provident Association, Industrial Aid Society, Boston Sewing Circle, German Aid Society, Ladies' Coöperative Visiting Society, the Associated Charities, West End Branch of the Homœopathic Medical Dispensary, the Federation of Jewish Charities, Boston Children's Aid Society, and St. Vincent de Paul Society. The City Physician also occupies a room in this building. Young Men's Benevolent Society holds its monthly meetings here,

TEMPORARY HOME FOR THE DESTITUTE is located at the corner of Chardon and Bowker streets. This building and the one above mentioned were erected on a lot, the contents of which are 19,962 square feet. The total cost of these buildings, with the land and the boiler-house in the rear, was \$210,494.38.

LODGE FOR WAYFARERS, in the old Mayhew School building, on Hawkins street, lot containing 9,625 square feet.

SCALES.

One in the South-stable yard, Albany street; one in Haymarket square; one in Maverick square, East Boston; one corner Eustis and Mall streets, Roxbury; one each corner Centre and LaGrange streets, Washington street, corner Centre street and Starr lane, Roslindale, West Roxbury; and one Washington street, near Rockland, Brighton; and one Foundry street, junction Dorchester avenue, South Boston.

SCHOOLS.

In the Public Schools of the city in charge of the School Committee, 569,283 books, 1,412 music charts, 179 pianos, with stools and covers; 66 sets of philosophical apparatus, 4,560 maps, charts, and globes.

SCHOOL-HOUSES.

NAME.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Abby W. May....	Thornton st.....	11,052	1893	6	
Adams.....	Sumner st.....	21,000	1856	13 and hall.	
Adams street....	Dorchester.....	44,555	1861	2	
Agassiz.....	Brewer st., W. Rox.....	42,244	1893	12 and hall.	Old Agassiz School Bldg. on this lot.
Appleton street..	Appleton st.....	18,454	1870	12	
Atherton.....	Columbia st.....	25,987	1872	8	
Auburn.....	School st., Br...	12,340	.....	4	
Bailey street....	Dorchester	21,838	1880	4	
Baker street....	West Roxbury..	10,464	.....	1	
Baldwin.....	Chardon Court..	6,139	1864	6	
Bartlett street...	Bartlett st.....	7,627	1846	6	
B. F. Tweed.....	Cambridge st., Ch.....	16,727	1892	6	
Benjamin Pope..	O st., corner of E. Fifth st.....	20,000	1893	8	
Bennett.....	Chestnut Hill av., Brighton.....	26,648	1874	7 and hall.	
Bennett annex...	Dighton place...	9,605	1846	6	
Bigelow.....	West Fourth st.,	21,997	1850	14 and hall.	
Blackinton.....	Leyden st., E.B.	20,166	1892	6 and hall.	
Bon Homme Richard.....	Meeting-House Hill.....	.....	1895	1	On lot with Mather School-house.
Bowditch.....	Green st.....	23,655	1891	12 and hall.	
Bowdoin.....	Myrtle st.....	18,827	1895	8	
Breed's Island...	Leyden st.....	.....	1883	2	Unoccupied, on lot with Blackinton School-house.
Brighton High (Old).....	Chestnut Hill av.,	54,448	.....	5 and hall.	
Brighton High (New).....	Cambridge st....	50,000	1895	17 & 2 halls.	
Brimmer.....	Common st.....	11,401	1843	14 and hall.	
Bunker Hill Gr.. " " Pr.	Baldwin st. ... / Bunker Hill st. }	19,660	.....	{ 14 and hall 8	Ward-room 4 in this building.
Canterbury street (Old).....	West Roxbury..	20,121	.....	2	
Capen.....	East Sixth st.,	12,354	1871	6	
Chapman.....	Eutaw st.....	20,500	1850	13 and hall.	Ward-room 1 in this building.
Charlestown High..	Monum't sq., Ch.	10,247	.....	10 and hall.	
Charles C. Perkins	St. Botolph st....	16,000	1891	8 and hall.	
Charles Sumner...	Ashland st., W.R.	30,000	1877	10 and hall.	
Chestnut ave....	West Roxbury..	13,733	.....	2	
Choate Burnham	East Third st....	17,136	1894	8	
Clinch.....	F st.....	13,492	1871	6	
Comins.....	Tremont st.....	22,169	1856	13 and hall.	
Common st.....	Charlestown.....	7,001	.....	6	
Cook.....	Groton st.....	10,170	1852	6	
Cottage pl.....	Roxbury	7,094	1859	4	
Cross st.....	Charlestown.....	1,708	.....	2	
Cudworth.....	Paris & Gove sts.	25,000	1894	11	
Cushman.....	Parmenter st....	.....	1867	16	On lot with Hancock School.
Cyrus Alger.....	West Seventh st.	16,560	1890	8	
Dearborn.....	Dearborn court..	36,926	1852	14 and hall.	
Dillaway.....	Kenilworth st...	21,220	1852	12 and hall.	
Dorchester ave...	Dorchester ave...	34,460	.....	4	
Dorchester High,	Centre st.	59,340	1870	8	
Drake..	C st.....	10,260	1869	6	
Dudley.....	Dudley st.....	26,338	1874	14 and hall.	
Dwight.....	W. Springfi'd st.	19,125	1857	14 and hall.	
E. Boston High..	Meridian st.....	13,816	1846	6 and hall.	Library and Court-room in this building.
Edward Everett..	Sumner st., Ward 24.....	33,890	1876	10 and hall.	Old Everett School-house on this lot.
Elliot.....	N. Bennet st....	11,077	1838	14 and hall.	
Emerson, E. B. ..	Prescott st.	39,932	1865	16 and hall.	
Emerson, Pr.	Poplar st.....	5,924	1861	6	
English High....	Montgomery st..	85,560	1877	39 & 2 halls.	South End Branch of Public Library in this building.

SCHOOL-HOUSES. — Continued.

NAME.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.	
Eustis st.	Roxbury	16,165	1895	6	Addition built 1890.	
Everett	Camden st.	32,409	1860	14 and hall.		
"	Brentwood st. ...	44,237	.....	2	
Florence	Florence st., W.R.	25,030	.....	6	
Franklin	Ringgold st.	16,430	1850	14 and hall		
Freeman	Charter st.	5,247	1868	6		
Fremont place...	Charlestown	7,410	.....	1	
Frothingham.....	Prospect st., Ch.,	22,079	1874	10 and hall.	Cushman School-house on this lot.	
Gaston	East Fifth street, cor. L.	35,358	1872	14 and hall.		
George Putnam ..	Seaver st.	33,750	1850	10 and hall.		
George st.	Roxbury	18,804	1861	6		
Gibson	Bowdoin ave.	30,620	1895	14 and hall.		
Girls' High }	West Newton st.,	30,454	1870	66 and hall.		
Girls' Latin }						
Glen way	Dorchester	25,827	1880	2	Ward-room 5 in this building.	
Grant	Phillips st.	3,744	1852	4		
Hancock	Parmenter st. . .	35,428	1847	14 and hall.		
Harbor View st...	Dorchester	27,808	1853	4		
Harris	Adams st., Dor chester	37,150	1861	8 and hall.		
Harvard Gr.	Bow st., Ch.	16,306	.....	14 and hall.	
Harvard	N. Harvard st., Brighton	20,750	4	Simonds School-house on this lot.	
Harvard Hill	Charlestown	4,045	.....	8	
Hawes Hall	West Broadway.	16,647	1823	8		
Heath st.	Roxbury	10,660	1857	2		
Henry L. Pierce..	Washington st. .	60,342	1891	12 and hall.		
Hillside	Elm st., W.R.	18,613	.....	6	
Horace Mann	Newbury st.	8,000	1880	18 & 2 halls.	On lot with Harris School-house.	
Howe	West Fifth st. . .	12,404	1874	8		
Hobart st.	Brighton	10,000	1884	2		
Howard ave.	Mt. Pleasant	20,090	1882	6		
Hugh O'Brien....	Dudley st.	40,554	1887	14 and hall.		
Hyde	Hammond st.	20,754	1884	14 and hall.		
Ingraham	Sheafe st.	2,354	1848	3	Remodelled for school purposes in 1891.	
Ira Allen	Leon st.	10,057	1851	4		
John A. Andrew,	Dorchester st.	24,880	1876	16 and hall.		
Joshua Bates	Harrison ave.	15,237	1884	8		
Lawrence	B and W. Third sts.	14,343	1856	14 and hall.		
Lewis	Sherman st.	27,850	1868	12 and hall.		
Lincoln	East Broadway..	24,500	1859	14 and hall.	Engine-house No. 17, and Ladder Truck House No. 7, and Old Mather School-house on this lot. On lot with Harbor View street School-house.	
Little Emily	Adams st. ....	.....	1895	1	
Lowell	Centre st.	35,241	1874	14 and hall.		
Lucretia Crocker,	Parker st.	30,000	1884	8		
Lyceum Hall	Meeting-H'se Hill	21,319	.....	6	
Lyman	Paris st.	26,200	1870	14 and hall.		
Margaret Fuller..	Glen rd., W. Rox.	14,252	1892	6	Engine-house No. 17, and Ladder Truck House No. 7, and Old Mather School-house on this lot. On lot with Harbor View street School-house.	
Martin	Huntington ave..	30,000	1885	14 and hall.		
Mather	West Broadway.	10,160	1842	12		
Mather	Meeting-house Hill, Dor.	132,500	1872	10 and hall.		
Mayflower	Harbor View st..	.....	1895	1	
Mead st.	Charlestown	5,557	1847	4		
Mechanic Arts ...	Belvidere st.	22,881	1893	16		
Medford st.	Charlestown	12,112	1886	4	Engine-house No. 17, and Ladder Truck House No. 7, and Old Mather School-house on this lot. On lot with Harbor View street School-house.	
Minot	Neponset ave.	31,500	1885	7 and hall.		
Mt. Pleasant ave..	Roxbury	9,510	1847	2		
Morton	Dorchester	17,031	1895	4		
Mount Vernon...	Mt. Vernon st., W.R.	22,744	.....	4 and hall.	
Munroe street....	Roxbury	13,021	1854	2		
N. Margin street..	N. Margin st.	1,661	1837	2		

SCHOOL-HOUSES. — *Continued.*

NAME.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Noble.....	Princeton st.	17,500	1874	8	
Norcross.....	D st.	12,075	1868	14 and hall.	
Oak square	Brighton	9,796	.....	2	
Oak square	Nonantum st.	20,000	1894	2	
Old Agassiz	Burroughs st. ....	.....	.....	6	On lot with Agassiz School.
Old Everett.....	Sumner st. ....	.....	1855	7	On lot with Edward Everet School.
Old Gibson	School st.	44,800	1857	6	
Old Mather	Meeting-house Hill, Dor. ....	.....	1856	6	On lot with Mather School.
Old Roxbury High.....	Kenilworth st. ...	8,990	1561	8	
Parkman	Silver st.	5,306	1848	6	
Phillips.....	Phillips st.	11,190	1862	14 and hall.	
Phillips street....	Roxbury	20,355	1867	8	Ward-room in this build- ing.
Pierpont.....	Hudson st.	4,216	1850	4	
Plummer	Lamson st.	35,073	1891	10 and hall.	
Polk street.....	Charlestown ...	12,143	1878	6	
Poplar street....	West Roxbury ..	7,842	.....	1	
Pormort	Snelling pl.	4,373	1855	6	
Prescott	Elm st., Charles- town.....	18,626	.....	10 and hall.	
Prince	Newbury st.	22,960	1875	12 and hall.	
Public Latin	Warren ave. ....	.....	1877	39 and hall.	On lot with English High School.
Quincy.....	Tyler st.	12,413	1847	14 and hall.	
Quincy street	Roxbury	23,453	1875	5	
Quincy street ...	Dorchester.....	20,000	1882	2	
Rice Gr.....	Dartmouth st ...	27,125	1880	14 and hall.	Normal and Rice Train- ing School in this build- ing.
Robert G. Shaw .	Hastings st.	40,000	1892	8 and hall.	
Roxbury High ...	Warren st.	25,617	1891	19 and hall.	
Roxbury street ...	Roxbury	14,147	1874	8	
Rutland street ...	South End	7,850	1851	6	
Savin Hill.....	Savin Hill ave. ...	20,060	1884	2	
Sharp.....	Anderson st.	5,611	1824	6	
School Committee Building	Mason st.	7,148	.....	10 and com- mittee chamber.	
Sherwin	Madison sq.	32,040	1870	16 and hall.	
Shurtleff	Dorchester st....	40,553	1869	14 and hall.	
Simonds.....	W. Broadway....	.....	1840	3	On Hawes School house lot.
Skinner.....	Fayette st.	5,238	1870	6	
Smith street	Roxbury	6,952	1849	2	
Somerset street ..	Ward 6	6,300	1824	4	
Stephen M. Weld,	Canterbury st....	34,266	1895	6	
Stoughton	River st., Dor- chester....	29,725	1856	5	
Tappan	Lexington st....	11,500	.....	5	
Thetford street ..	Dorchester	29,879	1875	4	
Thomas N. Hart.	East Fifth st....	26,264	1889	13 and hall.	
Thomas N. Hart, Annex	East Sixth st. ...	11,477	1895	2	
Tileston.....	Norfolk st., Dor- chester.....	83,640	1868	8 and hall.	
Tuckerman	East Fourth st....	11,655	1850	6	
Ticknor.....	Washington Vil.,	11,486	1865	12	
Tyler st.....	Tyler st.....	3,900	1855	6	
Union st.....	Brighton	67,280	.....	2	
Vernon st.....	Roxbury	17,256	1846	4 rooms used for school purposes in old building on this lot.	
Wait.....	Shawmut ave....	16,341	1860	8	

SCHOOL-HOUSES — *Concluded.*

NAME.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Walnut street....	Neponset.....	22,790	1856	7	Ward-room 6 in this building.
Ware.....	N. Bennet st. ...	6,539	1852	4	
Warren.....	Summer street, Charlestown ..	14,322	.....	14 and hall.	
Washington All- ston	Cambridge st....	22,000	1878	10 and hall.	
Washington All- ston Annex....	Cambridge st....	7,708	.....	2	
Washington str't n'r Forest Hills Station.....	West Roxbury....	27,450	.....	2	
Washington st....	Germantown, W. R.....	13,130	.....	2	Unoccupied. Addition built in 1885.
Way st.....	Way st.....	2,508	1860	3	
Webb.....	Porter st.....	7,492	1853	6	
Webster.....	Webster ave., Br.	19,761	.....	4	Ward-room 8 in this building.
Wells.....	Blossom st.....	10,770	1868	12 and hall.	
West Concord st.	South End.	10,756	1845	10	Ward-room in this build- ing.
West Roxbury High.....	Elm st.....	47,901	.....	6	
Weston street....	Roxbury.....	14,973	1877	8	
William Wirt Warren.....	Waverley st....	18,000	1892	6 and hall.	
Williams.....	Homestead st....	26,145	1892	4	
William H. Kent.	Moulton st.....	5,817	1895	6	
Winchell	Blossom st.....	14,405	1885	12	
Winehip	Dighton pl.....	34,366	.....	4	14 and hall.
Winthrop.....	Tremont st.....	16,100	1855	4	
Winthrop st....	Roxbury	9,775	1857	4	
Wyman.....	Wyman st.....	30,414	1892	6	
Yeoman st.....	Roxbury	18,200	1870	12	

The following lots of land have been bought for school purposes, and upon some of which houses are now erecting :

Adams and Chestnut streets, 20,399 feet of land.
 Baker street, West Roxbury, 21,000 feet of land.
 Beech street, West Roxbury, 37,500 feet of land.
 Walter and South streets, 21,679 feet of land.
 Richmond street, 30,001 feet of land.
 Robinson street, 25,032 feet of land.
 Harvest street, 21,548 feet of land.
 Genesee street, 19,761 feet of land.
 Chestnut Hill avenue, 25,000 feet of land.
 Adams and Mill streets, 30,000 feet of land.
 The total area of lots is 3,747,426 square feet of land.

SEALER OF WEIGHTS AND MEASURES.

In his charge are various sets of standard weights and measures, etc., 6 horses, 9 wagons, 3 pungs, and 7 harnesses.

STATUES AND MONUMENTS.

Statues of George Washington, Edward Everett, Charles Sumner, and Colonel Cass, on Public Garden; Alexander Hamilton, General Glover, William Lloyd Garrison, and Leif Ericson, on Commonwealth avenue; Benjamin Franklin and Josiah Quincy, in front of City Hall; Samuel Adams, on Adams square, and John Winthrop, on Scollay square; Emancipation Group, Park square; Ether Monument on Garden; Soldiers and Sailors' Monument, Monument Hill; Crispus Attucks, Common; Soldiers' Monuments; Winthrop square, Charlestown, junction of Centre and South streets, West Roxbury, and Meeting-house Hill, Dorchester.

STREET DEPARTMENT.

In charge of the Superintendent of Streets.

BRIDGE DIVISION.

Foundry street. Yard and repair-shop.
Broadway. 1 engine-house, office, repair-shop, and coal-shed.
Cambridge street. 1 tool-house.
*Charles River.*¹ Engine-house and workshop.
Chelsea (South). 1 office and workshop, engine-house, and workshop and storeroom.
Chelsea (North). 1 office, workshop, and engine-house.
Chelsea street. 1 tool-house.
Congress street. 1 engine-house, office, and workshop.
Dover street. Office and workshop.
Essex street. 1 tool-house and office.
Federal street. Office, workshop, storehouse, and 2 motor-houses.
Malden. 1 office.
Meridian street. Office, stable, and workshop.
Mt. Washington avenue. Office and workshop.
Neponset. 1 tool-house.
Warren. Engine-house, and office and stable.
Western avenue to Cambridge. 1 tool-house.
Western avenue to Watertown. 1 tool-house.

FERRY DIVISION.

NORTH FERRY. — Buildings, Drops, Piers, Landings, and Wharf property.

SOUTH FERRY. — Buildings, Drops, Piers, Landings, and Wharf property, together with the Sargent wharf property, as per lease assigned by the East Boston Ferry Company for 999 years.

STEAM FERRY-BOATS. — "Revere," "Winthrop," "Ben Franklin," "D. D. Kelly," "Hugh O'Brien," "Gen. Hancock," "East Boston."

PAVING DIVISION.

BUILDING AND WHARF on Albany street, opposite Sharon street. The building is of brick and wood, and covers some 8,000 square feet of land, and is divided into a shed for storage, blacksmith's and carpenter's shops, tool-room, and stable. The total contents of the lot, including wharf and building, are 63,180 square feet.

FORT-HILL WHARF, containing 21,054 square feet, placed in charge of the Paving Department May 18, 1874, to be used for the landing and storage of paving-block and gravel until such time as said wharf shall be wanted for the extension of Oliver street.

LOT on Chelsea, Marion, and Paris streets, East Boston, containing 43,550 square feet. A part of this lot used by the Sewer Division.

LEDGE LOT, on Washington street, corner Dimock, Roxbury, containing 134,671 square feet. Upon this lot are buildings containing a steam-engine and stone-crusher.

HIGHLAND-STREET STABLE LOT. — Upon this lot is a large brick stable, erected in 1873-74, and occupied by the Sanitary and Paving Divisions. Also a brick building used as a blacksmith shop, and a shed for the storage of tools, etc. Number of feet in lot, 81,082.

LEDGE LOT, on Codman street, Dorchester, containing 299,000 square feet, was purchased in 1870. Upon this lot is a shed, containing a steam-engine and stone-crusher; also a stable and tool-house.

ON THE ALMSHOUSE LOT, Hancock street, Dorchester, there are two stables; also a shed, tool-house, and blacksmith-shop.

¹ On Charles-river bridge there are five wooden buildings owned by the city and leased to five different parties.

LEDGE LOT, on Magnolia street and Bird place, Dorchester, containing 81,068 square feet. This lot was purchased by the town of Dorchester in 1867.

DOWNER-AVENUE LOT, Dorchester, containing 35,300 square feet.

WEST ROXBURY. — On Child street, a lot of land containing 43,024 feet, upon which are a stable and shed, blacksmith-shop and tool-house.

GRAVEL LOTS. — In town of Milton, on Brush Hill road, containing 64,523 square feet, hired by the town of Dorchester for nine-hundred and ninety-nine years; Morton street, Ward 23, containing about one-third of an acre, purchased by town of West Roxbury, in 1870, used for storage purposes.

LEDGE AND GRAVEL LOT, rear of Union street, containing about 37,000 square feet, purchased by the town of Brighton. This lot is at present leased.

GRAVEL AND STONES on lot on Market street, Ward 25, purchased by town of Brighton.

LEDGE LOT, on Chestnut Hill avenue, Brighton, containing about 13 acres, upon which is an office, engine-house, stable, and crusher plant.

WHARF, known as Atkins Wharf, 521 Commercial street, purchased in 1887, for \$24,000, containing 22,553 square feet, having on it an office and stable.

On Medford street, Charlestown, a wharf-lot foot of Elm street, containing 8,000 feet, upon which are sheds, office, stable, etc.

In South Boston, corner of H and Ninth streets, a lot of land containing about 12,000 square feet, upon which have been erected a stable, carriage-house, shed, tool-house, and office. Rent of same, including use of wharf and flats opposite, \$650 per annum, with taxes.

Property belonging to the Paving Division, consisting of 103 horses, 73 carts, 16 water-carts, 14 wagons, 6 steam-rollers, 10 stone-crushers, 8 engines, etc.

On Hereford street, a yard with shed, tool-house, and office.

SANITARY DIVISION.

SOUTH CITY STABLES, SHOP AND SHEDS. — Situated on Albany street, opposite Newton street. The lot belonged to the city before being used for this purpose, and contains 90,780 feet. The stables and buildings connected therewith are of brick. There are also on the premises five wooden sheds, used for storing wagons, etc. The stable is two stories high, with French roof, and has accommodations for 100 horses. Twenty-three horses are kept in sheds.

Connected with the stables are blacksmith, wheelwright, painter, and harness-maker's shops, with all the necessary tools, in which the wagons, carts, harnesses, etc., used by the department are constructed and kept in repair.

OFFAL DEPOT. — Erected in 1864 on the wharf fronting on Albany street, opposite Brookline street, on the other side of the dock from that used by the Paving Division. The lot which the building occupies, and the yard attached to the same, contain 89,511 feet, and belonged to the city before being used for this purpose. This building is used for the deposit of house-offal daily collected in the city carts, and which is thence conveyed without the limits of the city proper by purchasers of the same.

WEST STABLE AND SHEDS, NORTH GROVE STREET. — The stable is a brick building, a story and a half high, 128 feet by 50, located on North Grove street, built in 1860, with suitable outbuildings attached to the same. It has accommodations for 83 horses, in stables and sheds. The lot contains about 45,152 square feet.

HIGHLAND STABLE, with accommodations for 60 horses on the old Almshouse lot, Highland street, containing 81,082 square feet. A part of this stable and adjoining lot is used by the Paving Division. There are on this lot a brick stable, and an offal-shed, erected in 1875.

CHARLESTOWN STABLE, with accommodations for 25 horses, is situated on Rutherford avenue; lot contains 17,300 square feet of land. Shed and outbuildings were built in 1879.

FORT HILL WHARF. — Two Barney Dumping boats, one purchased November 30, 1885, the other in January, 1895.

All of the above mentioned stables are occupied in part by the Street Cleaning Division.

SEWER DIVISION.

There have been 417.67 miles of sewers built by the city. The department occupies a small lot on North Grove street; a large one, with water-front, on Albany street, containing 43,000 square feet, for storage of materials, tools, etc.; and one on Gibson street (Dorchester), containing 42,000 square feet; a small lot on Rutherford avenue, Charlestown; a small lot in East Boston, corner Paris and Marion streets; a small lot on Stony brook, corner of Centre street, Ward 21; gate-house on Stony brook, Pynchon street, built in 1889; sewer-yard, with buildings on Massachusetts avenue, near Albany street; sewer-yard, with buildings, on Western avenue, Brighton, containing 185,350 square feet; sewer-yard, with buildings, on Revere street, city; sewer-yard, with buildings, on H and Ninth streets; sewer-yard, with buildings, on Childs and South streets.

WATER-WORKS.

COCHITUATE WATER-WORKS.

LAKE COCHITUATE. — Situated within the limits of the towns of Framingham, Wayland, and Natick, in Middlesex County. The extreme length of the lake, in a direct line, is $8\frac{1}{2}$ miles, and the breadth of the widest part about 1,800 feet, with a water surface of 800 acres. "Dug pond," containing $44\frac{1}{2}$ acres, and "Dudley pond," containing 81 acres are tributaries of the lake. The whole circuit of the lake, measuring at its verge when within two feet of high-water mark, is about 16 miles, and the city owns an average width of five rods around it, also $1\frac{1}{2}$ acres at the outlet of Dudley pond. In addition to this, the city owns $23\frac{1}{2}$ acres in Wayland, $72\frac{1}{2}$ acres in Natick, and on the line of the aqueduct, — not including land appurtenant to the Chestnut-Hill and Brookline Reservoirs, nor land occupied by and necessary for the protection of the aqueduct, — $27\frac{1}{2}$ acres in Needham, $5\frac{1}{2}$ acres in Newton, $1\frac{1}{2}$ acres in Brookline.

The Cochituate aqueduct, 6 feet 4 inches in height and 5 feet in width, extending from Lake Cochituate $14\frac{1}{2}$ miles to a reservoir in Brookline.

The Sudbury-river conduit, 7 feet 8 inches in height and 9 feet in width, extending from Farm pond, in South Framingham, to the gate-house at Chestnut-Hill Reservoir, 15.9 miles in length. The area of land owned by city on conduit line, 198 acres, and area of reservoirs about 1,000 acres. A section of conduit, 4,170 feet in length, connects Farm pond with Dam No. 1 on the Sudbury river, and another section, 3,760 feet in length, extends through Farm pond, so that the Sudbury-river water can be sent to the city independently of the pond water. The city owns a width on the line of the conduit varying from 80 to 400 feet.

Reservoir No. 1, water area 143 acres, capacity, 280,000,000 gallons.

Reservoir No. 2, water area 134 acres, capacity, 530,000,000 gallons.

Reservoir No. 3, water area 253 acres, capacity, 1,080,000,000 gallons.

Reservoir No. 4, water area 167 acres, capacity, 1,400,000,000 gallons.

Reservoir No. 6, water area 185 acres, capacity, 1,530,000,000 gallons.

The "Brookline Reservoir," situated in Brookline, with a capacity of 120,000,000 gallons and a water surface of 23 acres, whole area of this property, $32\frac{1}{2}$ acres.

The "Chestnut-Hill Reservoir," situated in Brighton, of the capacity of 730,000,000 gallons, with a water surface of $123\frac{1}{2}$ acres. There are $212\frac{1}{2}$ acres in this whole property; the line of pipe from Chestnut-Hill Reservoir to the main, near the Brookline Reservoir, also the land under which are the pipes, being in amount about $6\frac{1}{2}$ acres.

The "South Boston Reservoir," on the east of Telegraph hill, South Boston, covering, with its embankment, an area of about 126,000 square feet. It has a water area of 70,041 square feet, and a capacity of 7,508,246 gallons. This reservoir is now used for storage, and is connected with the distributing-pipes only in case of fire or accident to the pumping mains.

The "East Boston Reservoir," on Eagle hill, East Boston, bounded westward by Brooks and southerly by White street. The land covered by and appurtenant to it comprises about 216,027 square feet. Its water area is 44,100 square feet, and its capacity 5,591,816 gallons.

The "Parker-hill Reservoir," on Parker hill, Roxbury, located on a lot of land taken under the Act of the Legislature authorizing the building of this reservoir, contains 197,614 square feet. It was built for the high-service supply, and will hold 7,200,000 gallons above a plane 2½ feet above the bottom of the over-flow pipe. Area of the water surface, 64,033 square feet, and its elevation 219 feet above tide-marsh level. A strip of land 25 feet wide, leading from Fisher avenue, and containing 2,887 square feet, was purchased for a route for the pipes to the reservoir.

The High-Service Reservoir, situated on Fisher hill, Brookline, was completed in 1887. The site of this reservoir contains 459,670 feet of land; the capacity of the reservoir is 15,000,000 gallons; high-water line is 241 feet above tide-marsh level. The Pumping-station at Chestnut hill, containing two Gaskill engines of 8,000,000 gallons capacity each, one Leavitt engine of 20,000,000 gallons capacity, and three boilers. A dwelling-house for the engineer of the Pumping-station, located on Chestnut Hill ave. The supplementary high-service in West Roxbury, consisting of an iron tank on Mt. Bellevue, — the highest land in the city, — into which water is pumped by two Knowles pumps, placed in a brick house situated on Washington street, opposite Metropolitan avenue, Roslindale.

An iron tank on Breed's Island, East Boston, built for the purposes of high service for the residents in that vicinity, and an engine-house built on the corner of Brooks and Condor streets, East Boston, to which the pumping plant near the old reservoir has been removed.

The main pipes leading from the receiving-reservoirs in Brookline and Brighton to this city, and the distributing-pipes laid in the city proper, East Boston, South Boston, Roxbury, Dorchester, West Roxbury, and Brighton, aggregate in length 596 miles, varying in size from 4 to 48 inches in diameter.

Pipe-yard and wharf, Albany street, containing 132,000 feet, upon which are located the offices and shops of the Eastern Division. These are located in a three-story brick building, 41×215 feet. The stable is a three-story brick building, 40×110 feet, with accommodations for 28 horses. Building on Elmwood street and place, on a lot of 5,563 square feet, in which have been the pumping-engines for supplying water to the highest parts of the city.

The cost of construction of these works to the city, up to the 31st January, 1896, is \$24,452,227.53.

MYSTIC WATER-WORKS.

The upper portion of Mystic lake, which is the source of supply, situated in the towns of Medford, Arlington, and Winchester, 6½ miles from Charlestown square. It has an area of about 200 acres when flowed to the level authorized by the Act to take water, and a storage capacity of that level of 380,000,000 gallons. To convey the water of the lake to the citizens, the works consist of dam and overfall; conduit with its appurtenant gate-houses, waste-weir and ventilator; cast-iron main under Mystic river; engine-house; pumping-engines; force-mains; reservoir with influent and effluent chambers; supply-mains and city distribution-pipes, hydrants, gates, etc.

The dam is 1,560 feet long, built of earthwork and masonry, and its height is 11 feet above high water mark of Boston Harbor. The conduit is 7,450 feet in length, constructed of hydraulic brick masonry 8 inches thick. It is oviform in shape, 5 feet 8 inches high, and 5 feet wide, interior dimensions. The cast-iron mains, two in number, conveying the water from the pipe-chamber at the end of the conduit to the engine-house, are 487 feet long and 3 feet in diameter.

The engine-house, situated on the southerly bank of, and about 200 feet from, the Mystic river, is a substantial building, 120 feet long and 58 feet wide, constructed of faced brick and freestone, and embraces under one roof the boiler and engine-rooms, repair-shop, and pump-well. The lot of land about the engine-house is about 12 acres, and upon a portion of it is a

dwelling-house for the engineers, and also a stable. Connected with the engine-house is a brick and stone coal-shed, having a capacity of 1,000 tons.

In the engine-house are three of Worthington's Duplex Pumping-engines, two of 5,000,000 gallons each and one of 8,000,000 gallons capacity, per 24 hours, and one Leavitt engine. Six boilers supply the steam for pumping the water.

The two force-mains are of cast iron, each 30 inches in diameter, and 3,277 feet in length. The reservoir is on Walnut hill, in Medford, near Tuft's College.

Its water surface covers an area of $4\frac{1}{2}$ acres, being nearly a parallelogram in shape, 560×350 feet.

High-water line is 147 feet above tide marsh level, and at this grade its capacity is 26,244,415 gallons.

The whole lot of land connected with the reservoir belonging to the city is about $10\frac{1}{2}$ acres.

The whole length of distribution-pipes in Charlestown is about 40 miles. The whole length of distribution-pipes supplied by the Mystic works is about 174 miles. The city owns also a lot of land containing 12,807 square feet on Medford street, with a brick stable upon it. This land is used for a pipe-yard.

A two-story brick building, 38×40 , built during the year 1882-83, for use as a work-shop, is located on land of the city at the corner of Medford and Tufts streets.

The cost of construction of the Mystic Water-Works up to January 31, 1896, the amount paid by the Metropolitan Sewerage Commissioners (\$52,637) for the portion of Mystic Sewer taken having been deducted, is \$1,803,775.29.

MYSTIC SEWER. — On July 18, 1895, the Metropolitan Sewerage Commissioners assumed possession of the greater portion of the Mystic sewer, under their taking of July 14, 1893, and for which the Commonwealth had paid the city the sum of \$52,637. The portion remaining the property of the city is situated in Woburn, and negotiations have been started for its purchase by that city.

CENSUS OF THE CITY OF BOSTON.

The following tables have been compiled by Hon. Horace G. Wadlin, Chief of the Bureau of Statistics of Labor, from the census taken under his direction in 1895:

CITY OF BOSTON.

Population, Census of 1895. Old and New Wards, with Legal Voters in New Wards.

WARDS.	OLD WARDS.		NEW WARDS. 1895.			Legal Voters New Wards.
	1865.	1895.	Males.	Females.	Totals.	
Ward 1	15,659	23,821	10,363	10,644	21,007	4,785
Ward 2	15,760	18,774	11,505	10,083	21,588	4,357
Ward 3	12,328	13,943	6,841	7,102	13,943	3,538
Ward 4	12,618	13,375	6,654	6,721	13,375	3,311
Ward 5	12,827	12,986	6,994	5,992	12,986	3,266
Ward 6	17,256	18,194	14,805	13,055	27,860	4,190
Ward 7	12,038	12,965	9,049	7,924	16,973	4,237
Ward 8	11,086	13,990	12,143	10,987	23,130	5,173
Ward 9	11,239	11,857	11,398	11,776	23,174	5,604
Ward 10	9,746	5,883	10,070	12,484	22,554	6,007
Ward 11	17,863	25,729	7,375	12,555	19,930	4,886
Ward 12	13,845	10,748	9,188	12,403	21,591	5,731
Ward 13	22,547	20,506	12,605	12,205	24,810	4,795
Ward 14	22,741	27,906	9,635	9,551	19,186	4,381
Ward 15	16,237	19,501	8,975	9,648	18,623	4,324
Ward 16	16,459	16,343	7,664	8,656	16,320	3,933
Ward 17	14,747	16,715	10,128	10,986	21,114	4,801
Ward 18	14,140	17,725	10,641	11,038	21,679	4,830
Ward 19	20,557	22,622	10,508	11,864	22,372	4,467
Ward 20	20,994	30,261	9,893	11,635	21,528	5,225
Ward 21	15,627	28,264	8,079	11,195	19,274	4,793
Ward 22	15,838	26,012	10,445	11,844	22,289	4,879
Ward 23	17,425	32,761	8,736	9,547	18,283	4,032
Ward 24	21,500	40,938	8,589	9,651	18,240	4,371
Ward 25	8,516	15,001	7,293	7,708	15,001	3,577
Totals	390,393	496,920	239,666	257,254	496,920	113,393

POPULATION OF BOSTON, WITH ANNEXED TERRITORY, IN DETAIL, 1638-1895.
(From Massachusetts Census Report, 1895.)

CENSUS YEARS.	Census Taken by	Boston, Including Annexations.	a Boston proper: Settled 1630; Made a City, 1822.	Annexed Territory.	ANNEXATIONS.									
					East Boston (1636).	The Islands. (See Notes.)	South Boston (1804).	Washington Village (1855).	Roxbury (1867).	Dorchester (1869).	West Roxbury (1873).	Brighton (1873).	Charlestown (1873).	
1638.....	.....	.....	b 150	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1675.....	.....	.....	b 4,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1698.....	.....	.....	b 7,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1704.....	.....	.....	b 6,750	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1720.....	.....	.....	b 11,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1722.....	Town	.....	10,567	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1742.....	Town	.....	16,382	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1752.....	Town	.....	15,731	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1765.....	Province	.....	15,530	.....	.....	.....	.....	.....	1,487	1,360	.....	.....	.....	2,031
1775.....	Gen. Gage	.....	6,573	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1776.....	Province	.....	2,719	.....	.....	.....	.....	.....	1,433	1,513	.....	.....	.....	360
1781.....	Province	.....	c 10,000	.....	.....	.....	.....	.....	c 1,650	c 1,840	.....	.....	.....	c 725
1781.....	Province	.....	c 15,470	.....	.....	.....	.....	.....	c 2,150	c 2,060	.....	.....	.....	c 1,340
1782.....	Town	.....	d 17,860	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1790.....	U.S.	18,320	18,038	282	.....	282	.....	.....	2,526	1,722	.....	.....	.....	1,583
1800.....	U.S.	24,937	24,655	282	.....	f 282	.....	.....	2,765	2,347	.....	.....	.....	2,751
1810.....	U.S.	33,787	32,896	891	18	510	354	.....	3,669	2,930	.....	608	.....	4,959
1820.....	U.S.	43,298	.....	.....	.....	.....	.....	.....	4,135	3,684	.....	702	.....	6,591
1825.....	City	68,277	56,003	2,274	24	264	1,986	.....	.....	.....	.....	.....	.....	.....
1830.....	U.S.	61,392	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1835.....	City	78,603	72,057	6,545	607	344	5,595	.....	5,247	4,074	.....	972	.....	8,783
1840.....	U.S.	e 93,383	85,475	7,908	1,455	277	6,176	.....	9,089	4,876	.....	1,425	.....	11,464

a By Boston proper is meant the territory of Boston, independent of all annexations.

b Estimates made in the years named. Those for 1675 and 1698 were probably too large.

c Estimates based on censuses of polls.

d Estimates based on actual number of houses in 1789, and the average persons to a house, as shown by the U.S. Census of 1790.

e By the State census of May, 1840, the population of Boston was 84,401. Mr. Shattuck, in his report on the census of Boston for 1845, shows clearly that the U.S. census of 1840 was incorrect.

POPULATION OF BOSTON. — *Concluded.*

CENSUS YEARS.	Census Taken by	Boston, Including Annexations.	Boston proper: Settled 1630; Made a City, 1822.	Annexed Territory.	ANNEXATIONS.									
					East Boston (1630).	The Islands. (See Notes.)	South Boston (1804).	Washington Village (1855).	Roxbury (1867).	Dorchester (1869).	West Roxbury (1873).	Brighton (1873).	Charlestown (1873).	
1845.....	City.....	114,366	99,036	15,330	5,018	292	10,020	.....	18,364	7,969	.....	.....	.....	17,216
1850.....	U.S.....	136,881	113,721	23,160	9,526	325	13,309	.....	18,364	8,340	.....	2,356	.....	21,700
1855.....	State.....	160,490	126,296	34,194	16,423	f 530	16,912	g 1,319	18,469	9,769	4,812	2,895	.....	25,065
1860.....	U.S.....	177,840	133,563	44,277	18,356	f 1,000	24,921	.....	25,137	10,717	6,310	3,375	.....	26,399
1865.....	State.....	192,318	141,083	51,235	20,572	f 1,300	29,363	.....	28,420	12,261	6,912	3,854	.....	28,323
1870.....	U.S.....	250,526	139,781	111,745	23,816	f 1,700	30,215	.....	34,763	15,788	8,686	4,967	.....	33,556
1875.....	State.....	341,919	140,669	201,250	27,420	h 1,927	h 54,147	.....	50,429	17,890	11,783	6,200	.....	33,731
1880.....	U.S.....	362,839	147,075	215,764	28,381	m 1,545	56,369	.....	57,123	20,717	14,032	6,693	.....	37,673
1885.....	State.....	300,393	147,184	243,255	29,280	m 2,139	61,594	.....	65,965	29,717	17,424	8,523	.....	38,348
1890.....	U.S.....	448,477	161,330	287,147	36,980	n	66,791	.....	78,411	29,638	24,997	12,032	.....	40,304
1895.....	State.....	496,920	160,340	336,571	42,505	n	67,913	.....	92,088	45,909	32,761	15,001	.....

f Estimated.

g Included also in the population of Dorchester in this year. After 1855, Washington Village is included in South Boston.

h The population of South Boston could not be stated definitely for 1875, because the wards including South Boston also included a part of Boston proper. The figures given are very close, however.

i The territory of Roxbury and Dorchester was not kept intact by ward boundaries in the ward division of 1875; it is difficult, therefore, to give the exact population of each district by the census of 1880. The figures given are the result of very careful study of the population by census enumeration districts, of which there were 208 in Boston for the U.S. census of 1880.

m For the population, as usually given in census tables, includes that of the islands in the harbor.

n For the separate islands as follows: 1880 — Breed's, 152; Deer, 841; Galloupe, 5; Rainsford, 187; Long, 49; Lovell, 5; Spectacle, 53; Thompson's, 100; Fort Independence, 13; Fort Warren, 112; Fort Winthrop, 12. 1885 — Breed's, 348; Deer, 1,145; Galloupe, 6; Rainsford, 204; Long, 81; Lovell, 7; Spectacle, 61; Thompson's, 122; Fort Independence, 11; Fort Warren, 129; Fort Winthrop, 25.

a Included in East Boston.

TRUST FUNDS.

OVERSEERS OF THE POOR'S FUNDS.

Trust Funds in the hands of the Overseers of the Poor, William P. Fowler, *Chairman*; Frederic W. Lincoln, *Treasurer*.

PEMBERTON FUND. — This fund comprises bequests and gifts made to the City of Boston, from 1760 to the present time from "A. B.," Daniel Oliver, Margaret Blackadar, Alice Quick, Annie Wheelwright, Mary Ireland, Benjamin Pemberton, Martha Stevens, Mrs. H. Driscoll, William Breed, Samuel Eliot, John Coffin Jones, Mary Belknap, "A citizen of Boston," Anonymous, Dr. Harriot K. Hunt, George Higginson, Walter E. Hawes, and Wm. B. Spooner. The most important, however, of the bequests was from BENJAMIN PEMBERTON, whose will was proved June 25, 1782, and for that reason his name has been given to the fund. The income of this fund is to be expended at the discretion of the Overseers, in semi-annual payments to the poor of this city. The amount of this fund January 31, 1896, was \$135,642.21.

BOYLSTON FUNDS. — These funds were from a bequest by JOHN BOYLSTON, who died in London. His will was proved June 12, 1795. One portion of the bequest is ordered to be paid to "Poor and decayed householders of the Town of Boston," "not under fifty years of age," "persons of good character, and reduced by the act of Providence, not by indolence, extravagance, or other vice." The other portion to be applied to "nurture and instruction of Poor Orphans and Deserted Children of the Town of Boston until fourteen years of age."

The Boylston Relief Fund amounted, January 31, 1896, to \$30,343.40.

The Boylston Education Fund amounted, January 31, 1896, to \$145,789.07.

MASON FUND. — Was a bequest of JONATHAN MASON, by will dated July 15, 1798. Interests to be paid annually to the Chaplain of the almshouse or workhouse. Interest to be added until one is appointed. The interest is now paid annually towards the salary of the Chaplain of the House of Industry. Amount of Mason Fund, January 31, 1896, was \$8,493.49.

DEXTER FUND. — Was a bequest of SAMUEL DEXTER, by will dated May 7, 1811, for supplying firewood or coal to such objects of charity as are not supported in the almshouse, though sometimes relieved by the Overseers of the Poor. Amount of Dexter Fund, January 31, 1896, \$4,928.41.

JEFFRIES FUND. — Was a bequest of DAVID JEFFRIES, former Town Treasurer. Will dated January, 1786. Income to be applied to the purchase of tea and coffee, chocolate, and sugar, for the refreshment of those persons who, in the Providence of God, are or shall be obliged to seek refuge in the almshouse, after having lived reputably, but always giving preference to the pious poor. Amount of Jeffries Fund, January 31, 1896, \$5,958.47.

LUCY BULLMAN CHARITY. — Consists of an estate on Cambridge and Joy streets, in this city, which came into possession of the City of Boston in 1872, in accordance with the will of LUCY BULLMAN, proved at Probate Court, Suffolk County, January 9, 1832; in which it is provided that upon the death of certain persons therein named, said estate is given to the City of Boston, upon condition that the estate never be sold, but the income used for the benefit of the poor. The estate is valued at about \$10,300. Funds on hand January 31, 1896, \$22,474.50.

By a vote of the City Council, approved by the Mayor January 4, 1873, this estate was placed in charge of the Overseers of the Poor.

DAVID SEARS CHARITY. — This is a fund contributed by the late DAVID SEARS, for the relief of the poor. Amount of fund January 31, 1896, \$326,093.41.

CHARLESTOWN POOR FUNDS.

Various bequests made by Richard Russell, May, 1674; Richard Sprague, will dated October 5, 1703; Thomas Call, will dated January, 1772; Richard Devens, 1825; David Goodwin, March, 1826; Thomas Miller, April 2, 1833; Catherine Bradish, September, 1836; Daniel White, 1864; James K. Frothingham, 1864; Jacob Foss, 1865; Simeon A. R. DeWolf, 1865; Reuben Hunt, 1866; Susan Nichols, 1892; for the benefit of the poor of Charlestown. By an act of the Legislature passed in 1825, the board of trust was composed of the selectmen of Charlestown, *and the two senior deacons from each church*, for the time being, and their successors in said office. By a subsequent ruling of Court this act was considered as including the two wardens of each Episcopal church. By act of annexation, the members of the two branches of the City Council, for the time being, residing in the Charlestown District, together with the senior deacons of the religious societies of Charlestown, now constitute the board of trustees.

Invested as follows:

City of Boston Bond	\$20,000 00
28 shares Bunker Hill National Bank, par	2,800 00
Charlestown Five Cents Savings Bank	400 00
City of Muscatine, State of Iowa, Bonds	100 00
Warren Institution for Savings	500 00
	<hr/>
	\$23,800 00

The income of the Pierce Fuel Fund (principal, \$1,500) is paid to the Trustees of the above Poor Funds by the Overseers of the Poor of the City of Boston.

GEO. B. NEAL, *Treasurer.*

POLICE CHARITABLE FUND.

By an order of the City Council, approved by the Mayor July 7, 1890, the care of this fund, which since 1870 has been with the Mayor, Treasurer, and Auditor as trustees, was transferred to the Board of Police, and the funds were transferred to the City Treasurer.

The Board of Police are authorized to expend, with the approval of the Mayor, the income of the fund for the relief of persons who have received an honorable discharge from the police force, by reason of sickness, age, or other disability, and who are, in consequence of such disability, in necessitous circumstances; and with the approval of the Mayor, for the relief of widows and orphans in necessitous circumstances, of police officers who have died while in the service of the city, or from the effects of injuries received in the execution of their duty.

Invested as follows:

Bonds of the City of Boston Six per cent.	\$31,750 00
" " " " Five "	18,900 00
" " " " Four "	142,900 00
" " " " Three and one-half per cent	14,000 00
	<hr/>
	\$207,550 00

Income — unexpended January 31, 1896	\$1,854 78
--	------------

There are now 63 beneficiaries of this fund.

All applications for relief, in accordance with the terms and conditions as set forth in the foregoing orders, are to be made in writing, addressed to the Board of Police, 37 Pemberton square.

BOSTON FIREMEN'S RELIEF FUND.

By Chapter 107 of the Acts of 1880, the Mayor of the City of Boston for the time being (and his successors in office), the Board of Fire Commissioners of the City of Boston for the time being (and their successors in office), were

constituted a body corporate for the purpose of receiving and holding all sums of money, and real and personal estate, not exceeding in the aggregate two hundred thousand dollars, which may be given, granted, bequeathed, or devised to it for the benefit of members of the Boston Fire Department, or their families, requiring assistance, or for the benefit of any persons, or the families of any persons, who have been such members, requiring assistance. The property so held shall be known as the Boston Firemen's Relief Fund. The said body corporate shall have authority to manage and dispose of the same and the income thereof according to their best discretion, subject to the provisions of any and all trusts which may be created for the purposes aforesaid.

In accordance with the provisions of the foregoing act, the following-named persons, viz.: the Mayor, Josiah Quincy; Fire Commissioner Henry S. Russell, — now constitute the Board of Trustees; Josiah Quincy, Mayor, President; Henry S. Russell, Treasurer; Michael J. Lafferty, Secretary.

The following was the condition of the fund January 31, 1896:

One City of Boston Three and one-half per cent. Bond	\$8,000 00
Eleven City of Boston Four per cent. Bonds	88,000 00
One " " Five " Bond	8,000 00
Cash on hand	5,183 52
Total	<u>\$109,183 52</u>

POOR WIDOWS' FUND.

This is a donation made by Mrs. JOANNA BROOKER and others to the Selectmen of Boston for the time being.

The income from this fund is paid over in equal proportions to the Aldermen of this city, and they distribute the same at their discretion, for the relief of POOR WIDOWS AND SICK PEOPLE.

Invested in:

One City of Boston Five per cent. Bond, due October, 1897	\$1,500 00
One " " Six per cent. Bond, due April, 1905	1,700 00
	<u>\$3,200 00</u>

FRANKLIN FUND.

This is a fund for the encouragement of young married mechanics. Dr. BENJAMIN FRANKLIN, in his will, gave the inhabitants of Boston, in 1791, £1,000 sterling, which he directed to be loaned in sums of not more than £60 nor less than £15 to one applicant five per cent. interest; to be repaid in annual instalments of ten per cent. each. These loans are restricted to "Young Married Artificers," under the age of twenty-five, who have faithfully served an apprenticeship in Boston, so as to obtain a certificate of good moral character from at least two respectable citizens, who are willing to become their sureties in a bond for their payment of the money.

It was the estimate of Dr. Franklin that the £1,000 would increase in 100 years to £131,000, and then the managers of the fund were to lay out in public works £100,000, and the balance to continue on interest for another hundred years, which he estimated would then amount to £4,600,000; of this amount the sum of £1,610,000 was to be at the disposal of the inhabitants of the Town of Boston, and the balance to be paid the Government of the State.

As the first loan was made in May, 1791, the one hundred years expired in May, 1891. But the amount of the fund on July 1, 1891, owing to some early losses, did not reach the sum estimated by Dr. Franklin. It was, however, determined by the Trustees that in the distribution of the proceeds the same proportions should be observed as were fixed in his estimate.

The total amount of the fund on July 1, 1891, was \$391,168.68. But before the proper division of the fund could be made, the city was enjoined by the heirs of Benjamin Franklin, at Philadelphia, from making any division until

the termination of judicial proceedings in Philadelphia by said heirs to recover the present value of the fund for their own benefit. The judgment of the lowest court was adverse to the heirs, who appealed the case, through additional adverse opinions, to the highest court of Pennsylvania, which finally decided in May, 1893, against the heirs. And the injunction was removed.

At a meeting of the Trustees held on October 20, 1893, it was adjudged and determined that the city's portion of the Franklin Fund on July 1, 1893, was \$322,490.20, and at a meeting held November 9, 1893, the Trustees voted unanimously to devote the above sum for the establishment of a Trades School, to be known as the "Franklin Trades School" — which should also be a memorial of its illustrious benefactor.

At a meeting of the Trustees of the fund held on December 28, 1893, it was unanimously *Voted*, That the sum set apart from the general Franklin Fund as due to the City of Boston on July 1, 1893, viz., \$322,490.20 with its accumulations be paid by the Treasurer of the fund in January next to the City Treasurer to continue a special fund for the purchase of land, and for the erection thereon of the Franklin Trades School and the equipment of the same; said expenditures to be made under the direction of such department as may for the time being be charged by the statutes and ordinances with the duty of erecting and furnishing public buildings in the City of Boston. The location of and plans for said school to be approved by the Board of Managers of said fund.

On January 15, 1894, a committee of the Board of Aldermen (being a majority of the Trustees of the Franklin Fund) reported that the condition of said fund on January 1, 1894, was as follows:

Amount of fund January 1, 1893	\$414,799 53
Interest accrued and collected	16,596 17
Total	\$431,395 70

The investment of said fund was:

Three policies with Massachusetts Hospital Life Society	\$427,544 39
In Suffolk Savings Bank	3,700 68
Balances of bonds for loans	150 00
Cash with Treasurer	63
Total	\$431,395 70

On January 17, 1894 (Franklin's birthday), SAMUEL F. McCLEARY, the Treasurer of the Franklin Fund, pursuant to the order of December 28, 1893, paid to the City Treasurer of Boston the following sum as the city's portion of the fund:

Amount of city's portion July 1, 1893	\$322,490 20
Interest to January 1, 1894, at the rate of 4%	6,449 80
Total	\$328,940 00
Interest to January 17, 1894, at the rate of 2½%	360 48
Total	\$329,300 48

The transfer of \$328,940.20 (due to the city on January 1, 1894), left as the balance of the general fund the sum of \$102,455.70, to be put at interest until July 1, 1891, when the principal will be divided between the city of Boston and Commonwealth of Massachusetts as provided in Franklin's will.

The condition of the General Fund on January 1, 1896, was as follows:

Fund January 1, 1895	\$106,547 86
Interest accrued	4,258 97
Total	\$110,806 83

The fund is invested as follows :

Massachusetts Hospital Life Policies	\$109,822 82
In Suffolk Savings Bank	954 01
Balance of Bond for loan	30 00
Total	\$110,806 83

The Trustees under the will are the Selectmen (now Board of Aldermen), united with the ministers of the oldest Episcopalian, Congregational, and Presbyterian Churches in the Town of Boston.¹

The Treasurer of the Fund, SAMUEL F. McCLEARY, Mass. Hist. Soc., 80 Tremont street, Boston.

SCHOOL TRUST FUNDS.

CHARLESTOWN SCHOOL TRUST FUNDS. — The Legislature of Massachusetts, on the 27th of March, 1793, passed an Act to incorporate Richard Devens, Nath'l Gorham, Josiah Bartlett, Aaron Putnam, Joseph Hurd, Nath'l Hawkins, Seth Wyman, and their successors, Trustees of the Charlestown Free Schools. On the 18th of April, the same year, it was "Voted that the Town Treasurer deliver to Aaron Putnam, Esq., Treasurer of the Trustees of the Charlestown Free Schools, all the money, bonds, notes of hand, etc. (being the property of said free schools), that now are, or may come into his, the Town Treasurer's hands."

The charter of the City of Charlestown, after prescribing the manner of electing the School Committee, provides that the persons thus chosen shall have "all the powers and privileges, and be subject to all the liabilities, set forth" in the Act to incorporate certain persons by the name of the Trustees of Charlestown Free Schools; the act of annexation to Boston provided for the continuance of this corporation in the members of the School Committee of the City of Boston from the Charlestown District.

By an Act approved March 13, 1877, the School Committee were incorporated and authorized to receive the Charlestown School Trust Fund, to "manage said fund, and disburse the income thereof within the limits of the former City of Charlestown, according to the tenor of the instruments creating said trust."

The following is a statement of the funds :

City of Boston Four per cent. Bonds	\$5,650 00
Deposited in Charlestown Five Cents Savings Bank	2,251 68
Warren Institution for Savings	259 02
Monument National Bank	123-93
	\$8,284 63

JAMES A. McDONALD,
Treasurer.

BOWDOIN DORCHESTER SCHOOL FUND. — Proceeds of sale of woodland in Milton, deeded to the inhabitants of Dorchester by James Bowdoin, March 1, 1797, and invested by the City Treasurer. The income of said fund to be expended for the benefit of the public schools of Dorchester.

Invested in one City of Boston Four per cent. Bond \$4,500 00

COMINS SCHOOL LIBRARY FUND. — Donation of the late LINUS B. COMINS, the interest of which is to be expended upon the Library of the "Comins Grammar School for Girls," and to be held in trust by the chairman of the School Committee, the Mayor of the city, and the President of the Common Council, who are constituted, *ex officio*, Trustees of the Fund.

Invested in one City of Boston Five per cent. Bond \$500 00

¹ These churches at this date are "Christ Church," Salem street, Rev. Charles W. Duane; "The First Church," corner Marlborough and Berkeley streets, Rev. Stopford W. Brooke; and the "United Presbyterian," corner Berkeley and Chandler streets.

DEVENS INFANT SCHOOL FUND. — Bequest from DAVID DEVENS, who died August 30, 1855, for the benefit of the infant schools in Charlestown, and children who attend them. Accepted by the City of Charlestown, November 10, 1856.

Invested in one City of Boston Four per cent. Bond, due April 1, 1915, payable to the Mayor of the city and his successors as trustees of said legacy \$1,000 00

EASTBURN SCHOOL FUND. — This is a bequest from the late JOHN H. EASTBURN, and received from the executors of his estate in April, 1886.

The following clause from his will explains the purpose of the bequest :

"The interest to be applied to aid and assist deserving and poor scholars to finish their education, by pecuniary assistance, in the Normal School for Females."

Invested in one City of Boston Four per cent. Bond due April 1, 1916 \$10,000 00

FRANKLIN SCHOOL MEDAL FUND. — This is a legacy by Dr. BENJAMIN FRANKLIN, in 1791, the interest on which, since 1792, has been invested in silver medals, which are now distributed, at the annual examinations, among the most deserving boys in the ENGLISH HIGH AND LATIN SCHOOLS.

Invested in one City of Boston Five per cent. Bond, due in 1900, \$1,000 00

GIBSON SCHOOL FUND. — This is the bequest of CHRISTOPHER GIBSON, who provided by will, about 1674, that, after the payment of legacies and debts, his executors should "purchase some estate for the promotion of learning in the Town of Dorchester." The surviving executor, Daniel Preston, purchased for £104 twenty-six acres of land at Smelt brook, and deeded the same, February 6, 1693, to Enoch Wiswell, Samuel Robinson, John Tolman, James Bird, and Increase Sumner, as trustees, and to their successors and assigns, for the "use and purpose, benefit and behoof, of the schools of learning in the Town of Dorchester." Sales of this land have been made from time to time, and the part still held consists of 587,700 square feet. The proceeds have been invested in

City of Boston Six per cent. Bonds	\$1,000 00
" " Five " "	6,000 00
" " Four " "	11,925 00
Cash in City Treasury	79
	<u>\$18,925 79</u>

Cash on hand, income January 31, 1896 \$3,132 36

The income of this fund is appropriated for the supply of library books and such apparatus for the schools which are now or shall be embraced in the territory annexed as "Dorchester," which are not supplied by the city, upon order of the School Committee, and apportioned to each school as said School Committee shall decide.

HORACE MANN SCHOOL FUND. — Bequest of the late SAMUEL E. SAWYER, of Gloucester, for the benefit of the Horace Mann School, the income to be expended in a manner that will promote the best interest and prosperity of the institution.

Invested in City of Boston Four per cent. Bond \$2,000 00

LATIN SCHOOL PRIZE FUND. — This is a donation from a number of gentlemen in Boston, in the year 1819, the interest of which is invested in prizes, which are annually distributed among the most deserving scholars in the PUBLIC LATIN SCHOOL.

Invested in one City of Boston Six per cent. Bond \$1,050 00

LAWRENCE HIGH SCHOOL FUND. — This is a donation made by the late ABBOTT LAWRENCE, of Boston, in the year 1844, the interest of which is

payable annually to the Sub-Committee of the **ENGLISH HIGH SCHOOL**, for the time being; and is by them distributed in prizes for the best performances in various branches of literature and science in that institution; and in such other rewards to the scholars in the school as that committee shall recommend.

Invested in City of Boston Six per cent. Bond \$2,000 00

LAWRENCE LATIN SCHOOL FUND. — This is a donation made by the late **ABBOTT LAWRENCE**, in the year 1845, the interest of which is payable annually to the "Chairman of the Sub-Committee of the **PUBLIC LATIN SCHOOL** for the time being," and is distributed in prizes for the general encouragement of the scholars in such a way as the sub-committee of that school shall consider advisable.

Invested in one City of Boston Six per cent. Bond \$2,000 00

MILMORE BRIMMER SCHOOL FUND. — Bequest of **MARTIN MILMORE**, the income from which to aid in clothing the poor children of the Brimmer School.

Invested in one City of Boston Four per cent. Bond \$500 00

NORCROSS SCHOOL LIBRARY FUND. — Donation and bequest of **OTIS NORCROSS**. The income from this fund is to be paid to the master of the "**Norcross School**," to be expended in books for a library for the first class of said school. Invested in:

One City of Boston Five per cent. Bond \$500 00
One City of Boston Four per cent. Bond 500 00

\$1,000 00

SMITH FUND. — This is a legacy of **ABIEL SMITH**, of Boston, who died in 1817, to the **SELECTMEN OF THE TOWN OF BOSTON**, for the time being.

The income from this fund is appropriated towards the expense of "the **Free Instruction of COLORED CHILDREN** in Reading, Writing, and Arithmetic." Invested in:

One City of Boston Five per cent. Bond, payable in April, 1900
for \$4,000 00
One City of Boston Four per cent. Bond, payable in April,
1915 4,400 00
One City of Boston Four per cent. Bond, payable in July, 1919. 200 00
\$8,600 00

STOUGHTON SCHOOL FUND. — This is a bequest of **Gov. WILLIAM STOUGHTON**, who died at **Dorchester**, July 7, 1701, and gave to the schools of **Dorchester** one hundred and fifty pounds, "for the advancement of the salary of a schoolmaster."

Invested in one City of Boston Four per cent. Bond, payable in
April, 1915 \$5,300 00

The income of the fund is paid into the City Treasury, and credited annually to salaries of school instructors.

WEBB FRANKLIN SCHOOL FUND. — This is a legacy made in the year 1828. by **RUFUS WEBB**, formerly writing-master in one of the public schools.

The income from this fund is applied to the purchase of books, etc., for the use of indigent scholars in the writing department of the Franklin School.

Invested in one City of Boston Six per cent. Bond \$1,000 00

WINTHROP FUND. — Bequest of **ROBERT C. WINTHROP**, given in and by his will to the library of the **Boston Public Latin School**, to be disposed of according to vote of the School Committee of the City of Boston.

Cash in City Treasury \$250 00

RECAPITULATION OF SCHOOL TRUST FUNDS.

Bowdoin Dorchester	\$4,500 00
Charlestown School Trust Fund, including income unexpended,	8,284 63
Comins School Library Fund	500 00
Devens Infant School Fund	1,000 00
Eastburn School Fund	10,000 00
Franklin School Medal Fund	1,000 00
Gibson School Fund	18,925 79
Gibson School Fund, income unexpended	3,132 36
Horace Mann School Fund	2,000 00
Latin School Prize Fund	1,050 00
Lawrence High School Fund	2,000 00
Lawrence Latin School Fund	2,000 00
Milmore Brimmer School Fund	500 00
Norcross School Library Fund	1,000 00
Smith Fund	8,600 00
Stoughton School Fund	5,300 00
Webb Franklin School Fund	1,000 00
Winthrop Fund	250 00
	<hr/>
	\$71,042 78

PUBLIC LIBRARY FUNDS.

BIGELOW FUND. — This is a donation made by the late JOHN P. BIGELOW, in August, 1850, when Mayor of the city.

The income from this fund is to be appropriated to the purchase of books for the increase of the library.

Invested in one City of Boston Four per cent. Bond for \$1,000 00

Payable to the Chairman of the Committee on the Public Library, for the time being.

BATES FUND — This is a donation made by the late JOSHUA BATES, of London, in March, 1853.

Invested in one City of Boston Four per cent. Bond for \$50,000 00

“The income only of this fund is to be, each and every year, expended in the purchase of such books of permanent value and authority as may be found most needful and most useful.” Payable to the Mayor of the city for the time being.

BOWDITCH FUND. — This the bequest of J. INGERSOLL BOWDITCH.

Invested in one City of Boston Three and one-half per cent.

Bond \$10,000 00

The whole income in each and every year to be expended in the purchase of books of permanent value and authority in mathematics and astronomy.

PHILLIPS FUND — This is a donation made by the late JONATHAN PHILLIPS, of Boston, in April, 1853.

Invested in one City of Boston Four per cent. Bond for \$10,000 00

The interest on this fund is to be used exclusively for the purchase of books for said Library.

Also, a bequest by the same gentleman, in his will dated 20th September, 1849.

Invested in one City of Boston Six per cent. Bond for \$20,000 00

The interest on which is to be annually devoted to the maintenance of a Free Public Library.

Both of these items are payable to the Mayor of the city for the time being.

ABBOTT LAWRENCE FUND. — This is the bequest of the late ABBOTT LAWRENCE, of Boston.

Invested in one City of Boston Six per cent. Bond, for \$10,000 00

The interest on this fund is to be exclusively appropriated for the purchase of books for the said Library, having a permanent value.

EDWARD LAWRENCE FUND. — This is the bequest of the late EDWARD LAWRENCE, of Charlestown. The following clause from his will explains its purpose:

“To hold and apply the income, and so much of the principal as they may choose, to the purchase of special books of reference, to be kept and used only at the Charlestown branch of the said Public Library.”

Invested in one City of Boston Four per cent. Bond, due April

1, 1916 \$500 00

CHARLES GREELEY LORING MEMORIAL FUND. — This is a donation from the family of CHARLES GREELEY LORING, the income of which is to be expended for the purchase of books for the West End Branch.

Cash in treasury, January 31, 1896 \$500 00

PIERCE FUND. — This is a donation made by HENRY L. PIERCE, Mayor of the city, November 29, 1873, and accepted by the City Council December 27, 1873.

Invested in one City of Boston Four per cent. Bond, for . . . \$5,000 00

TOWNSEND FUND. — This is a donation from William Minot and William Minot, Jr., executors of the will of MARY P. TOWNSEND, of Boston, at whose disposal she left a certain portion of her estate in trust, for such charitable and public institutions as they may think meritorious. Said executors accordingly selected the Public Library of the City of Boston as one of such institutions, and attached the following conditions to the legacy: “The income only shall, in each and every year, be expended in the purchase of books for the use of the Library; each of which books shall have been published in some one edition at least five years at the time it may be so purchased.”

Invested in one City of Boston Five per cent. Bond, for . . . \$4,000 00

TICKNOR BEQUEST — By the will of the late GEORGE TICKNOR, of Boston, he gave to the City of Boston, on the death of his wife, all his books and manuscripts, in the Spanish and Portuguese languages, about four thousand volumes, and also the sum of four thousand dollars. After the receipt of said sum, the city is required to spend not less than one thousand dollars in every five years during the twenty-five years next succeeding (i. e., the income of four thousand dollars, at the rate of five per cent. per annum), in the purchase of books in the Spanish and Portuguese languages and literature. At the end of twenty-five years the income of the said sum is to be expended annually in the purchase of books of permanent value, either in the Spanish or Portuguese languages, or in such other languages as may be deemed expedient by those having charge of the Library. The books bequeathed or purchased are always to be freely accessible for reference or study, but are not to be loaned for use outside of the library building. If these bequests are not accepted by the city, and the trusts and conditions faithfully executed, the books, manuscripts, and money are to be given to the President and Fellows of Harvard College.

In order that the city might receive the immediate benefit of this contribution, Anna Ticknor, widow of the donor, relinquished her right to retain during her life the books and manuscripts, and placed them under the control of the city, the City Council having previously accepted the bequests in accordance with the terms and conditions of said will, and the Trustees of the Public Library received said bequests on behalf of the city, and made suitable arrangements for the care and custody of the books and manuscripts.

Invested in one City of Boston Four per cent. Bond, for . . . \$4,000 00

FRANKLIN CLUB FUND. — This is a donation made in June, 1863, by a literary association of young men in Boston, who, at the dissolution of the association, authorized its trustees, Thomas Minns, John J. French, and J. Franklin Reed, to dispose of the funds on hand in such a manner as to them

should seem judicious. They elected to bestow it on the Public Library, attaching to it the following conditions: "In trust that the income, but the income only, shall, year by year, be expended in the purchase of books of permanent value for the use of the free Public Library of the city, and, as far as practicable, of such a character as to be of special interest to young men." The Trustees expressed a preference for books relative to Government and Political Economy.

Invested in one City of Boston Four per cent. Bond, for . . . \$1,000 00

TREADWELL FUND. — By the will of the late DANIEL TREADWELL, of Cambridge, late Rumford Professor in Harvard College, who died February 27, 1872, he left the residue of his estate, after payment of debts, legacies, etc., in trust to his executors, to hold during the life of his wife for her benefit, and after her decease to divide the residue then remaining in the hands of the trustees as therein provided, and convey one-fifth part thereof to the Trustees of the Public Library of the City of Boston.

The City Council have accepted said bequest and authorized the Trustees of the Public Library to receive the same, and invest it in City of Boston Bonds, the income of which is to be expended by said Trustees in such manner as they may deem for the best interests of the Library.

Invested in City of Boston Four per cent. Bonds	\$5,550 00
" " " " Three and one-half per cent. Bonds,	1,400 00
" 16 shares B. & A. R.R. Co. Stock, par value \$100 each,	1,600 00
" 6 shares B. & P. R.R. Co. Stock, par value \$100 each,	600 00
" 12 shares Fitchburg R.R. Co. Stock, par value \$100 each,	1,200 00
" 1 share Vt. & Mass. R.R. Co. Stock, par value \$100 each,	100 00
Cash in City Treasury	37 69
	<u>\$10,487 69</u>

CHARLOTTE HARRIS FUND. — Bequest of CHARLOTTE HARRIS, late of Boston, the object of which is stated in the following extract from her will: "I give to the Charlestown Public Library \$10,000, to be invested on interest, which interest is to be applied to the purchase of books published before 1850. I also give to said Public Library my own private library, and the portrait of my grandfather, Richard Devens." Bequest accepted by City Council, July 31, 1877.

Invested in one City of Boston Six per cent. Bond, for . . . \$10,000 00

THOMAS B. HARRIS FUND. — Bequest of THOMAS B. HARRIS, late of Charlestown, for the benefit of the Charlestown Public Library.

Invested in one City of Boston Four per cent. Bond, for . . . \$1,000 00

SCHOLFIELD FUND. — Bequest of the late ARTHUR SCHOLFIELD, who died in New York, January 17, 1883. The interest to be paid to certain heirs during their lives, and then to be used for the purchase of books of permanent value. The last heir, Joseph Scholfield, died November 18, 1889, and by his will bequeathed to the City of Boston the sum of \$11,766.67, which represents the income of said fund, received by him up to the time of his death, to which was added \$33.33 accrued interest on deposit up to time of investment, to be added to the fund given by his brother.

Invested in City of Boston Four per cent. Bonds, for . . . \$61,800 00

GREEN FUND. — Donations of Dr. SAMUEL A. GREEN of \$2,000, the income of which is to be expended for the purchase of books relating to American history. Invested in

Two City of Boston Five per cent. Bonds, for	\$1,500 00
One City of Boston Four per cent. Bond, for	500 00
	<u>\$2,000 00</u>

SOUTH BOSTON BRANCH LIBRARY TRUST FUND. — Donation of a citizen of South Boston, the income of which is to be expended for the benefit of the South Boston Branch Library.

Invested in one City of Boston Four per cent. Bond, for . . . \$100 00

DONATIONS. — Besides the preceding, the following donations have been made to the Public Library, and the amounts have been appropriated for the purchase of books, according to the intention of the donors, viz. :

J. Ingersoll Bowditch	\$6,800 00
Samuel Appleton, late of Boston	1,000 00
Sally Inman Kast Shepard	1,000 00
James Brown, late of Cambridge	500 00
Nathaniel I. Bowditch	200 00
James Nightingale	100 00
Dorchester and Milton Circulating Library, for the benefit of the Dorchester Branch Library	335 13
	<u>89,935 13</u>

RECAPITULATION OF PUBLIC LIBRARY TRUST FUNDS.

Scholfield fund	\$61,800 00
Bates "	50,000 00
Phillips "	20,000 00
Phillips "	10,000 00
Bowditch "	10,000 00
Charlotte Harris fund	10,000 00
Abbott Lawrence "	10,000 00
Treadwell fund	10,487 69
Pierce "	5,000 00
Townsend "	4,000 00
Ticknor "	4,000 00
Green "	2,000 00
Bigelow "	1,000 00
Thomas B. Harris fund	1,000 00
Franklin Club "	1,000 00
Edward Lawrence "	500 00
Charles Greeley Loring Memorial fund	500 00
South Boston Branch Library Trust fund	100 00
	<u>Invested funds \$201,387 69</u>
	<u>Donations, etc. 9,935 13</u>
	<u>\$211,322 82</u>

PHILLIPS STREET-FUND.

This is a bequest of JONATHAN PHILLIPS, who died in July, 1860, who gave by his will, to the City of Boston, \$20,000 "as a trust fund, the income of which will be annually expended to adorn and embellish the streets and public places in said city," which has been invested in

One City of Boston Six per cent. Bond, payable to the Mayor of the city for the time being, for \$20,000 00

In accepting the bequest, the City Council directed the Board of Aldermen to expend the income of the fund in compliance with the terms of the trust.

Income unexpended January 31, 1896. Cash in City Treasury . \$6,604 07

There have been erected from the income derived from this fund the bronze statue of Josiah Quincy in front of City Hall, costing \$14,716.90; John Winthrop, in Scollay square, costing \$7,416.90; Samuel Adams, at the junction of Washington street and Adams, formerly Dock square, costing \$6,856.44; also the curbing and fencing of the enclosure of the Emancipation Group in

bronze in Park square, the gift of Moses Kimball, costing \$4,686.99; the granite basin and foundation to the Lief Ericson monument, Commonwealth avenue, costing \$3,996.70, and the pedestal and foundation for the Attucks monument on the Common, costing \$1,950; a bronze tablet on estate on Beacon street, to mark the site of the residence of John Hancock, costing \$75; foundation and base for statue of John Boyle O'Reilly, on Back Bay Fens, costing \$3,357.39.

In 1885, under orders of the Boaad of Aldermen, there was paid towards the erection of the Lyman fountain, in Eaton square, Dorchester, the sum of \$4,050.

CITY HOSPITAL FUNDS.

GOODNOW FUND. — A bequest of ELISHA GOODNOW, of South Boston, who died in 1851. By his will the city came into possession of certain real estate on Cross street and Third street, for the purpose of establishing a hospital for the sick, one-half of said funds to be applied for the establishment and maintenance of free beds, which should always be at the disposal and under the control of the officers of the government of said hospital for the time being. The proceeds of the sale of these estates and accumulated interest were invested in

One City of Boston Six per cent. Bond	.	.	.	.	.	\$1,000 00
One " " Five " Bond	.	.	.	.	.	4,000 00
Two " " Four " Bonds	.	.	.	.	.	21,000 00
						<u>\$26,000 00</u>

NICHOLS FUND. — Bequest of LAWRENCE NICHOLS, who died in September, 1862, of \$1,000, less internal revenue tax. "towards the establishment and endowment of a City Hospital," and from the executor of the will, as residuary legatee, \$550.30. These amounts and accumulated interest were invested in

One City of Boston Six per cent. Bond	.	.	.	.	.	\$1,000 00
" " " Four " "	.	.	.	.	.	1,000 00
						<u>\$2,000 00</u>

NORCROSS FUND. — Donation of OTIS NORCROSS, late Mayor of the city, the interest of which is to furnish clothing to indigent patients when leaving the hospital.

Invested in one City of Boston Five per cent. Bond . . . \$2,000 00

BALL FUND. — Bequest of the late JONAS BALL, the interest of which is to furnish clothing to indigent persons when leaving the hospital.

Invested in one City of Boston Four per cent. Bond . . . \$1,000 00

GOODNOW LIBRARY FUND. — Donation of GEORGE GOODNOW, the interest of which is to be expended annually by the Board of Trustees in replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence.

Invested in one City of Boston Four per cent. Bond . . . \$1,000 00

SHAW FUND. — Bequest of the late MARY LOUISA SHAW, the income of which is to be expended by the Trustees for the purchase of flowers and fruit for the use and comfort of the patients in the hospital.

Invested in one City of Boston Six per cent. Bond . . . \$2,000 00

PERKINS FUND. — Bequest of the late MARY G. PERKINS, the income of which is to be expended for Medical Library and artificial limbs and surgical appliances, for the use of patients leaving the hospital.

Invested in One City of Boston Four per cent. Bond . . . \$7,500 00

CHEEVER FUND.—Donation of Dr. DAVID W. CHEEVER, accepted by the Trustees, March 20, 1889, the income of which is to be expended as per following extract from his letter:

"To purchase and present to each house surgeon when his term of service expires a small case (pocket case) of surgical instruments, as a gift from me."

Invested in one City of Boston Four per cent. Bond . . . \$2,000 00

HEMMENWAY FUND.—Donation of ELLEN L. HEMMENWAY, the same being for the support of a free bed in the City Hospital in memory of her late husband, Chas. P. Hemmenway.

Invested in one City of Boston Four per cent. Bond . . . \$5,000 00

RECAPITULATION OF CITY HOSPITAL TRUST FUNDS.

Goodnow fund	\$26,000 00
Norcross "	2,000 00
Nichols "	2,000 00
Ball "	1,000 00
Goodnow (Library) fund	1,000 00
Shaw fund	2,000 00
Perkins fund	7,500 00
Cheever "	2,000 00
Hemmenway fund	5,000 00
	<u>\$48,500 00</u>

GEORGE B. HYDE FUND.

Amount received from executor of estate of GEORGE B. HYDE, being a legacy from said GEORGE B. HYDE, for the purpose of erecting a statue of Rufus Choate and providing a suitable pedestal and foundation for the same. The amount of legacy, fourteen thousand dollars, with the income thereof by order of the City Council to be invested, and on order of the Mayor to be applied to the purchase and erection of said statue.

Invested in City of Boston Four per cent. Bonds . . . \$14,000 00

SAMUEL E. SAWYER FUND.

A bequest of the late SAMUEL E. SAWYER, of Gloucester, for the benefit of Marcella-street Home, the income to be expended in a manner that will promote the best interest and prosperity of the institution.

Invested in City of Boston Four per cent. Bonds . . . \$2,000 00

FOSS SEVENTEENTH OF JUNE AND FLAG FUNDS.

The City Council of the City of Charlestown, in August, 1866, accepted the bequests made in the will of the late JACOB FOSS, who died in Charlestown, June 2, 1866, the income of which is to be expended for the following purposes:

Celebrating the anniversary of the battle of Bunker Hill, for either or all of the following purposes, viz.: "*Ringing the bells, firing salutes, music, or decorating the streets.*"

Invested in a City of Boston Six per cent. Bond . . . \$2,000 00

Purchasing "United States flags for the use of the City of Charlestown the flags so purchased to be used on all proper occasions, so that not more than two years' purchases shall be on hand at any time."

Invested in a City of Boston Six per cent. Bond . . . \$2,000 00

BABCOCK MUSIC FUND.

By the will of the late ARCHIBALD BABCOCK, who died August 10, 1862, the sum of \$3,000 was bequeathed to the City of Charlestown, and accepted by

the City Council of that city November, 1862, upon the conditions and for the purposes expressed by him in his last will and testament:

"The income to be annually expended in procuring the services of musicians, or of a band or bands of musicians, to perform in public in the City of Charlestown, within its present limits, free to all its citizens; one-half of said income to be annually expended in procuring musicians, or band or bands of musicians, to play on or near the small common at the 'Neck,' so called, at the corner of Main and Cambridge streets, preference to be given to citizens of Charlestown, due regard being had as to ability and quality."

Deposits in the Charlestown Five-Cents Savings Bank . . .	\$3,000 00
---	------------

MOUNT HOPE CEMETERY TRUST FUND.

Amounts paid by owners of lots in Mount Hope Cemetery, the income from which is to be expended by the trustees for the perpetual care of lots. Invested in

City of Boston Six per cent. Bonds	\$2,000 00
City of Boston Five per cent. Bonds	4,500 00
City of Boston Four per cent. Bonds	41,325 00
City of Boston Three and one-half per cent. Bond	1,400 00
Cash in City Treasury, January 31, 1896	317 07
	<u>849,542 07</u>

EVERGREEN CEMETERY TRUST FUND.

Amounts paid by the owners of lots in Evergreen Cemetery, the income of which is to be expended for the perpetual care of lots. Invested in

City of Boston Four per cent. Bonds	\$3,000 00
City of Boston Three and one-half per cent. Bond	200 00
City of Boston Five per cent. Bond	100 00
	<u>\$3,300 00</u>

DORCHESTER SOUTH CEMETERY TRUST FUND.

Amounts paid by the owners of lots in this cemetery, the income of which is to be expended for the perpetual care of their lots in said cemetery:

Invested in City of Boston Four per cent. Bonds	<u>\$400 00</u>
---	-----------------

RECAPITULATION OF TRUST FUNDS.

Overseers of the Poor, including income unexpended	\$712,565 97
Charlestown Poor	23,800 00
Police Charitable	207,550 00
" " income unexpended	1,854 78
Boston Firemen's Relief	109,183 52
Poor Widows'	3,200 00
Franklin Mechanics'	110,806 82
Schools, including income unexpended	71,042 78
Public Library	211,322 82
Phillips Street	20,000 00
" " income unexpended	6,604 07
City Hospital	48,500 00
George B. Hyde	14,000 00
Samuel E. Sawyer (see also school funds)	2,000 00
Foss Seventeenth of June and Flag	4,000 00
Babcock Music	3,000 00
Mount Hope Cemetery	49,542 07
Evergreen Cemetery	3,300 00
Dorchester South Cemetery	400 00
	<u>\$1,602,672 84</u>

APPROPRIATIONS.

CITY OF BOSTON.

APPROPRIATION ORDERS FOR THE YEAR ENDING JANUARY 31, 1896.

Ordered, That to meet the expenses of the City of Boston and the County of Suffolk, payable during the year which will commence with the first day of February, 1895, and end with the last day of January, 1896, the following sums of money be and the same are hereby respectfully appropriated for the several departments, and for the objects and purposes hereinafter specified.

Ordered, That all sums of money which may be subscribed or contributed to promote the objects of any of the said appropriations, and which form no part of the estimated income of the city, shall be credited to such appropriations accordingly, and be strictly applied according to the intention of the contributors.

Ordered, That the several officers and boards of the city in charge of departments, under the general supervision and control of His Honor the Mayor, expend the same appropriations made for their several departments, and the persons or boards authorized by law to expend the other appropriations, expend the same all in accordance with the laws and ordinances.

Ordered, That, to meet the appropriations herein made, the moneys received from the income and taxes of the past year not otherwise disposed of, the balances of the appropriations in excess of expenditures remaining in the treasury at the close of the last day of January, 1895, taxes to the amount of \$11,414,378, and the income of the current year, other than the income from the water supplies, be used; that the expenses and charges of distribution of the water supplies, the interest and sinking-funds of the debts incurred for said supplies; and the purchase and laying of water-pipes, be met with the income received from said supplies; and that all expenses of the Board of Survey shall be met with the proceeds of the loans issued for that purpose.

Ordered, That at any time or times between December 1, 1895, and February 1, 1896, the City Auditor may, with the approval of the Mayor, make such transfers from appropriations or surplus income as may be necessary in closing the accounts of the financial year, and may with such approval use such income or the proceeds of any land sold during the year as a part of the general income or revenue of the city for the year, or pay the same to the Board of Commissioners of Sinking-Funds.

Ordered, That the Board of Street Commissioners may, with the approval of the Mayor, sell in the manner provided by the ordinances, any land or building not in use by any department, or held for any special purpose under the requirements of any statute, and the proceeds of any and all such sales shall be applied as provided in the preceding order.

ARCHITECT DEPARTMENT: Twenty-one thousand dollars	\$21,000 00
ASSESSING DEPARTMENT: One hundred and forty thousand dollars	140,000 00
AUDITING DEPARTMENT: Twenty-nine thousand seven hundred dollars	29,700 00
BOARD OF ALDERMEN: Eighty-six thousand five hundred dollars:	
Salaries of board	\$18,000 00
Contingent expenses	5,500 00
Soldiers' relief	63,000 00
	<hr/>
	86,500 00
<i>Carried forward,</i>	<hr/>
	\$277,200 00

APPROPRIATIONS.

275

<i>Brought forward,</i>	\$277,200 00
CITY CLERK DEPARTMENT: Sixty-eight thousand dollars	68,000 00
CITY COUNCIL: Fifty thousand dollars:	
Contingent expenses, joint committees	\$5,500 00
Incidental expenses	25,750 00
City Council Proceedings	18,750 00
	50,000 00
CITY MESSENGER DEPARTMENT: Twenty-seven thousand two hundred and ninety dollars	27,290 00
CLERK OF COMMITTEES DEPARTMENT: Twelve thousand seven hundred dollars	12,700 00
COLLECTING DEPARTMENT: Ninety-three thousand dollars	93,000 00
COMMON COUNCIL: Ten thousand five hundred dollars:	
Clerk's expenses	\$5,000 00
Contingent expenses	5,500 00
	10,500 00
ENGINEERING DEPARTMENT: Forty thousand dollars,	40,000 00
FERRY DEPARTMENT: Two hundred and ten thousand dollars	210,000 00
FIRE DEPARTMENT: One million one hundred thousand dollars:	
For current expenses	\$1,063,000
For pensions	87,000
	1,100,000 00
HEALTH DEPARTMENT: One hundred and fifty thousand dollars	150,000 00
HOSPITAL DEPARTMENT: Two hundred and sixty thousand dollars	260,000 00
INSPECTION OF BUILDINGS DEPARTMENT: Seventy thousand nine hundred and fifty dollars	70,950 00
BOARD OF APPEAL: Fifteen hundred dollars	1,500 00
INSPECTION OF MILK AND VINEGAR, DEPARTMENT FOR THE: Thirteen thousand dollars	13,000 00
INSPECTION OF PROVISIONS DEPARTMENT: Three thousand two hundred and twenty-five dollars	3,225 00
LAMP DEPARTMENT: Five hundred and eighty-two thousand five hundred dollars	582,500 00
LAW DEPARTMENT: Thirty-six thousand dollars	36,000 00
LIBRARY DEPARTMENT: One hundred and seventy-five thousand dollars	175,000 00
MARKET DEPARTMENT: Twelve thousand four hundred and fifty dollars	12,450 00
MAYOR: Including department expenses, entertainment of guests, and contingent expenses: Thirty thousand dollars	30,000 00
MOUNT HOPE CEMETERY DEPARTMENT: Eight thousand dollars	8,000 00
OVERSEEING OF THE POOR DEPARTMENT: One hundred and twenty thousand dollars	120,000 00
PARK DEPARTMENT: One hundred and thirty thousand dollars	130,000 00
POLICE DEPARTMENT: One million four hundred and six thousand dollars,	
For current expenses, including House of Detention and police matrons, expenses in enforcing the liquor-license law, and of the maintenance of the police-signal system	\$1,334,690 00
Pensions	71,310 00
	1,406,000 00
<i>Carried forward,</i>	\$4,887,315 00

<i>Brought forward,</i>	\$4,887,315 00
PRINTING DEPARTMENT: Twenty-six thousand two hundred and fifty dollars	26,250 00
PUBLIC BUILDINGS DEPARTMENT: One hundred and seventy thousand dollars	170,000 00
PUBLIC BUILDINGS, SCHOOLS: Two hundred and ten thousand dollars	210,000 00
PUBLIC CELEBRATIONS: Twenty-six thousand six hundred dollars:	
May 30, 1895	\$8,600 00
June 17, 1895	5,000 00
July 4, 1895	12,000 00
Labor's Holiday	1,000 00
	<hr/> 26,600 00
PUBLIC GROUNDS DEPARTMENT: Ninety thousand dollars	90,000 00
PUBLIC INSTITUTIONS DEPARTMENT: Six hundred and seventy thousand dollars	670,000 00
REGISTRATION OF VOTERS DEPARTMENT: Fifty thousand dollars	50,000 00
REGISTRY DEPARTMENT: Thirty-three thousand dollars	33,000 00
SCHOOL COMMITTEE: One million nine hundred and twenty thousand dollars.	1,920,000 00
SEALING OF WEIGHTS AND MEASURES DEPARTMENT: Nineteen thousand eight hundred and three dollars	19,803 00
SINKING-FUNDS DEPARTMENT: Two thousand five hundred dollars	2,500 00
STREET DEPARTMENT: One million nine hundred and fifty-five thousand dollars:	
Central office	\$20,000 00
Bridge division: \$1,500 of the amount appropriated for Street Department, Bridge Division, to be appropriated and expended for the construction of a bridge over the New York, New Haven, & Hartford Railroad tracks at the Roxbury Crossing, for the accommodation of pedestrians	120,000 00
Cambridge-bridges division	15,000 00
Paving division	750,000 00
Sanitary division	400,000 00
Sewer division	300,000 00
Street-cleaning division	250,000 00
Watering division	100,000 00
	<hr/> 1,955,000 00
And the City Auditor is hereby authorized to transfer from time to time, upon the request of the Superintendent of Streets, with the approval of the Mayor, such sums as may be needed from any one of the appropriations above named for current expenses of the Street Department to any other appropriation for current expenses in the same department.	
STREET LAYING-OUT DEPARTMENT: Twenty-two thousand one hundred dollars	22,100 00
SURVEYING DEPARTMENT: Thirty-five thousand dollars	35,000 00
TREASURY DEPARTMENT: Forty thousand two hundred and fifty dollars	40,250 00
WIRE DEPARTMENT: Thirty thousand seven hundred and ninety-six dollars	30,796 00
<i>Carried forward,</i>	<hr/> \$10,188,614 00

<i>Brought forward,</i>	\$10,188,614 00
CITY DEBT REQUIREMENTS: Two million eight hundred and ninety-nine thousand seven hundred and four dollars:	
For sinking-funds	\$1,254,704 00
Interest	1,645,000 00
	<hr/> 2,899,704 00
COUNTY OF SUFFOLK: Nine hundred and twenty-four thousand seven hundred and twenty-five dollars:	
For sinking-funds and principal of debt	\$66,715 00
For interest	131,810 00
House of Correction	96,200 00
General expenses	630,000 00
	<hr/> 924,725 00
	<hr/> <u>\$14,013,043 00</u>
WATER-INCOME DEPARTMENT:	
Cochituate Water-Works	\$50,620 00
Mystic Water-Works	13,430 00
	<hr/> \$64,050 00
WATER-SUPPLY DEPARTMENT:	
Cochituate Water-Works:	
Current expenses	\$400,000 00
Interest	876,165 00
Sinking-fund requirements	205,791 00
Extension of mains, etc.	250,000 00
	<hr/> \$1,731,956 00
Mystic Water-Works:	
Current expenses	\$162,050 00
BOARD OF SURVEY:	<hr/> \$70,000 00

TAX-BILL, 1895.

ORDERS.

Laying a Specific Tax to defray the expenses of the City of Boston and the County of Suffolk for the financial year 1895, and providing for interest on non-payment of same.

Ordered, That the sum of eleven million four hundred and fourteen thousand three hundred and seventy-eight dollars (\$11,414,378) be raised on the polls and estates taxable in this city, according to law, to pay the current expenses of the City of Boston and the County of Suffolk during the financial year which will commence with the first day of February, 1895, and end with the last day of January, 1896.

Ordered, That in pursuance of the authority of Chapter 11, Section 67, of the Public Statutes, all taxes assessed for the purpose of providing for the expenditures of the City of Boston and the County of Suffolk for the financial year 1895, and for paying the city's proportion of the State tax for 1895, shall be due and payable on the first day of October, 1895; and if the same shall remain unpaid November 1, interest at the rate of six per cent. per annum shall be charged upon all such taxes as shall not be paid at that date; and upon all taxes that shall remain unpaid on the first day of January, 1896, there shall be charged interest at the rate of seven per cent. per annum; and all the interest that shall have become due from and after the above-named dates shall be added to and be a part of such taxes; *provided, however*, that the taxes assessed, by authority of Chapter 13 of the Public Statutes, upon the shares of National Banks, and of other corporations, shall be due and payable on the first day of November, 1895; and interest shall be charged, as provided in said chapter, upon all such taxes as remain unpaid after that date, at the rate of twelve per cent. per annum.

IN COMMON COUNCIL, February 14, 1895.

Passed. Yeas, 62; nays, 4. Sent up for concurrence.

In Board of Aldermen, April 1, 1895. Concurred. Yeas, 8; nays, 3.

Approved by the Mayor April 2, 1895.

A true copy.

Attest:

J. M. GALVIN,
City Clerk.

Total appropriations for 1895-96, passed by		
City Council	.	814,013,043 00
Amount of State tax	.	\$538,920 00
" " Abolishment of Grade Crossings	.	
Assessment	.	22,590 99
" " Interest	.	3,220 95
" " Armory Loan Assessment	.	10,056 27
" " Interest	.	18,000 00
" " Metropolitan Sewer Assessment	.	7,371 69
" " Interest	.	34,897 50
" " Maintenance	.	17,433 00
Assessed by Assessors on warrant of State, independent of		
City Council	.	652,490 40
		<u>814,665,533 40</u>

TRANSFERS.

The following Transfers of Appropriations were made during the year 1895-96:

From the Appropriation for	To the Appropriation for	Amount.
Street Dept., Paving Div.	Board of Aldermen	\$2,043 75
“ “ “	City Clerk Dept.	38 11
Reserved Fund	“ “ “	1,200 00
“ “	City Council, Incidental Ex- penses	22,500 00
“ “	City Messenger Dept.	62 00
Street Dept., Paving Div.	Common Council	1,665 71
Registration of Voters Dept.	Election Dept.	34,264 56
City Clerk Dept.	“ “	25,000 00
Public Buildings Dept.	“ “	20,000 00
Surveying Dept.	Engineering Department ...	13,500 00
Inspection of Milk and Vinegar- Dept.	Health Dept.	6,599 26
Inspection of Provisions Dept. ...	“ “	1,653 84
Reserved Fund	Hospital Dept.	15,313 33
Street Dept., Paving Div.	“ “	8,017 92
Hospital Dept.	New Buildings, City Hospital, Institutions Dept.	32,500 00
House of Correction	“ “	1,400 00
Street Dept., Paving Div.	“ “	22 96
Parental School for Boys, Fur- nishing	Parental School for Boys, Alterations	1,495 49
Reserved Fund	Library Dept.	3,000 00
Branch Library, West End	“ “	4,097 64
Reserved Fund	Market Dept.	28 53
“ “	Mayor	6,000 00
“ “	Mount Hope Cemetery Dept. ...	5,000 00
“ “	Overseeing of the Poor Dept. ...	5,718 52
Park Dept.	Police Dept.	20,243 67
Market Dept.	“ “	2,400 00
Cochituate Water-Works	“ “	1,700 00
Assessing Dept.	“ “	1,477 61
Building Dept.	“ “	516 11
Board of Appeal	“ “	516 25
Clerk of Committees Dept.	“ “	33 80
Collecting Dept.	“ “	306 28
Law Dept.	“ “	431 04
Mayor	“ “	5,632 01
Fire Dept. B'ld'g, So. Boston, repairs of	“ “	2 88
Public Celebrations	“ “	107 43
Registry Dept.	“ “	3,160 97
Sinking Funds Dept.	“ “	164 79
Street Dept., Paving Div.	“ “	1,330 69
“ Sewer Div.	“ “	8,403 93
“ Central Office	“ “	1,684 21
Carried forward		\$255,233 29

From the Appropriation for	To the Appropriation for	Amount.
<i>Brought forward.</i>		\$255,233 29
Street Dept., Bridge Div.....	Police Dept.	284 00
" Cambridge Bridges Div.....	" " 	462 67
" Ferry Div.....	" " 	88 70
" Sanitary Div.	" " 	2,221 48
" St. Cleaning Div.	" " 	1 50
" Watering Div.	" " 	3,575 30
City Council, Contingent Funds Joint Committees	" " 	40
City Council, Incidental Ex- penses	" " 	173 90
City Council Proceedings.....	" " 	1,220 24
City Messenger Dept.	" " 	4 82
Engineering Dept.	" " 	4 69
Fire Dept.	" " 	31
Health Dept.	" " 	8 29
Lamp Dept.	" " 	81 34
Public Buildings Dept.	" " 	3,354 80
Engine-house No. 10, Remodel- ling	" " 	2 85
Public Grounds Dept.....	" " 	2 99
Printing Dept.....	" " 	21 31
Sealing of Weights and Meas- ures Dept.....	" " 	183 86
Treasury Dept.....	" " 	29 62
Wire Dept.....	" " 	8 16
County of Suffolk.....	" " 	965 01
House of Correction.....	" " 	88 21
Architect Dept.....	Public Buildings Dept.....	7,000 00
Reserved Fund.....	" " 	42,500 00
Engine-house and site, N'th End,	Engine-house No. 6, Altera- tions.....	500 00
City Building, Dorchester st., corner Fourth st.....	Fire Dept. Buildings, South Boston, Repairs of	12,000 00
Primary School-house, Morton st., furnishing.....	Highland Park.....	2,193 81
Hospital Dept.....	Independence sq. and Thomas Park.....	6,000 00
City Nursery and Greenhouses, Additional land.....	City Nursery and Greenho'ses, Storehouses, etc.....	460 32
Grammar School-house, Mt. Vernon District, grading, etc..	Grammar School-house, Gib- son District.....	1,000 00
Primary School-house, Eustis st., furnishing.....	Grammar School-house, Gib- son District	253 75
Primary School-house, Eustis st., furnishing.....	Grammar School-house, Gib- son District, furnishing....	1,449 49
Primary School-house, north of Broadway, furnishing.....	Grammar School-house, Gib- son District, furnishing....	438 98
Primary School-house, Canter- bury and Sharon sts. furnish'g,	Grammar School-house, Gib- son District, furnishing....	1,274 21
<i>Carried forward</i>		<u>8348,087 80</u>

From the Appropriation for	To the Appropriation for	Amount.
<i>Brought forward</i>		\$343,087 80
Austin Primary School-house, furnishing.....	Grammar School-house, Gibson District, furnishing....	727 67
Primary School-house, Morton st., furnishing.....	Grammar School-house, Mt. Vernon Dist., grading, etc.	100 00
Primary School-house, Aberdeen District, building.....	Primary School-house, Aberdeen District, site.....	7,750 00,
Primary School-house, Moulton st.....	Primary School-house, Morton st.....	1,289 66
Agassiz School-house, etc.....	Primary School-house, Morton st.	900 00
Street Dept., Watering Division,	Street Dept., Sanitary Div....	5,000 00
“ Paving Division...	“ “ “ ...	23,000 00
“ Sewer Division ...	“ “ “ ...	5,000 00
“ Cambridge Bridges Division.....	“ “ “ ...	2,000 00
“ Paving Division...	“ Street-Cleaning Division.....	35,000 00
“ Watering Division,	“ Street-Cleaning Division.....	15,000 00
“ Sewer Division...	“ Street-Cleaning Division.....	6,000 00
South Drop, South Ferry, Boston side.....	Awning, North Ferry, East Boston side.....	1,000 00
Second st., I st. to L. st.....	Bellflower st.....	934 31
Henchman st.....	Hanover st., between Charter and Tileston sts.....	863 68
Lewis-st. extension, Paving....	Hanover st., between Charter and Tileston sts.....	660 71
Prince st., Ashphalting.....	Hanover st., between Charter and Tileston sts.....	514 63
Street Improvements, Wards 6, 7, and 8.....	Hanover st., between Charter and Tileston sts.....	1,788 64
Talbot ave., Dorchester ave. to Washington st.....	Melville ave.	7,500 00
Street Improvements, Wards 6, 7, and 8.....	Wall st., Paving.....	5,000 00
Primary School-house, Morton st., furnishing.....	Stony Brook, Damages.....	50 00
Surveying Dept.....	Street Laying-out Dept.....	2,053 56
Reserved Fund	“ “ “ ...	2,204 07
Quincy st., Ward 4, Laying out and Construction... ..	Alford st., Widening and Constructing.....	10,000 00
New Lunatic Hospital, furnishing	Harvard st.....	4 68
Engine-house No. 4, Alterations,	“ “	2 85
“ “ 6, “	“ “	2 19
“ “ 8, “	“ “	21
“ “ 27, R'mod'ling,	“ “	2 52
Ladder-house No. 1.....	“ “	1 19
<i>Carried forward</i>		\$477,438 37

From the Appropriation for	To the Appropriation for	Amount.
<i>Brought forward</i>		\$477,438 37
Ferry-boat, "East Boston," Remodelling	Harvard st.	3 84
Ham's-court extension	" "	71 25
Agassiz School-house, etc.	" "	94 93
Austin Primary School-house ..	" "	98 34
Primary School-house, Oak sq., furnishing	" "	118 45
Primary School-house, north of Broadway, furnishing	" "	496 57
Water Dept., Cohituate Div.	Extension of Mains, etc.	199,624 25
" " Mystic " " ..	" " " "	52,860 69
Architect Dept.	Wire Dept.	3,928 85
Reserved Fund.	" "	7,000 00
		<u>\$741,225 54</u>

TRANSFERS FROM SURPLUS REVENUE OF 1895-96.

To the Appropriation for

Election Department	\$24,379 59
Hospital Department	4,686 67
Institutions Department	20,250 00
Library Department	8,000 00
Police Department	38,812 66
Public Buildings, Schools	40,107 13
Public Grounds Department	4,564 17
School Committee	41,481 12
County of Suffolk	18,500 00
	<u>\$195,781 34</u>

CITY OF BOSTON.

APPROPRIATION AND TAX ORDERS FOR THE FINANCIAL YEAR 1896-97.

Ordered, That to meet the current expenses of performing the duties and exercising the powers of the City of Boston and the County of Suffolk, payable during the financial year 1896-97, beginning with the first day of February, 1896, and ending with the last day of January, 1897, and to meet their respective obligations for interest on debt, sinking-funds requirements, and maturing debt not provided for by sinking-fund, the respective sums of money hereinafter specified be, and the same are, hereby appropriated for the several departments and for the objects and purposes hereinafter stated; that all sums of money which form no part of the income of the city, but shall be contributed to promote the objects of any appropriation, be credited to such appropriation; and that the respective executive departments of said city, under the general supervision and control of the Mayor, and the other public authorities designated in the several appropriations, or having by law the expenditure of the same, expend the said appropriations according to law for the objects and purposes specified, and expend said contributions for the objects and purposes directed by the several contributors thereof.

Ordered, That the appropriations hereinafter specified, except those for the Water Department, be met out of the money remaining as a general balance in the treasury at the close of the thirty-first day of January, 1896, not including any money raised by loan or needed to carry out the requirements of any statute, gift, trust, or special appropriation, and out of the income of the current year, other than that from the Water-Works, and taxes to the amount of \$11,780,171.

Ordered, That the income received from the Water-Works be applied, so far as required, toward meeting the appropriations hereinafter specified for the Water Department.

Ordered, That to provide the said amount of taxes, the sum of \$11,780,171 be raised by taxation on the polls and estates taxable in the City of Boston; that all such taxes, and all taxes assessed for meeting the city's proportion of the State tax of the year 1896, or of any other taxes or assessments payable to the Commonwealth, be due and payable on the first day of October, 1896; that all such taxes paid after the first day of November, 1896, bear interest from and including said day until paid, at the rate of six per cent. per annum up to the first day of January, 1897, and at the rate of seven per cent. per annum after and including said first day of January; except that taxes assessed upon shares of stock of national banks shall bear interest at the rate of twelve per cent. per annum from and including said first day of November until paid; and that all interest which shall have become due on taxes shall be added to and be a part of such taxes.

Ordered, That to provide temporarily money to meet the appropriations aforesaid, the City Treasurer issue and sell, at such times and in such amounts as he may deem best, bonds, notes, or certificates of indebtedness of the City of Boston, not exceeding seven million dollars in the total, in anticipation of the taxes of the current municipal year; that all such bonds, notes, or certificates of indebtedness be dated the day the money for the same is received, be made payable with the interest thereon at the office of the City Treasurer within the current municipal year, from the taxes of said year, and bear interest, at such rate as said Treasurer shall deem proper, from their date until the day the same are made payable.

Ordered, That the Board of Street Commissioners, with the approval of the Mayor, sell, in the manner provided by the ordinances, any lands or buildings except those occupied by Posts of the Grand Army of the Republic, or in

use by any department, or held under the requirements of any statute, and that the proceeds thereof be turned into the treasury as a part of the income of the city, or paid to the Board of Commissioners of Sinking Funds, as the City Auditor, with the approval of the Mayor, may determine.

Ordered, That the premiums realized in the negotiation or sale of any notes, bonds, or scrip, be paid to the Board of Commissioners of Sinking Funds, to be by them applied to the sinking-funds for the payments of such notes, bonds, or scrip.

Ordered, That the City Auditor, from time to time during the year, may, with the approval of the Mayor, make transfers within any department from the appropriation for current expenses of one division of a department to the appropriation for current expenses of any other division of the same department; and may, with the further approval of the Committee on Finance, make transfers from the reserved fund to any appropriation for current expenses of a department; and that said Auditor may, with the approval of the Mayor, between December 1, 1896, and February 1, 1897, make transfers from any appropriation to any other appropriation, and apply any of the income and taxes not disposed of in closing the accounts for the financial year.

CURRENT EXPENSES.

ASSESSING DEPARTMENT: One hundred and forty thousand dollars	\$140,000 00
AUDITING DEPARTMENT: Thirty-one thousand seven hundred dollars	31,700 00
BOARD OF ALDERMEN: Two hundred and three thousand and five hundred dollars—	
Salaries of Aldermen	\$18,000 00
Contingent expenses	5,500 00
Soldiers' relief	180,000 00
	<hr/> 203,500 00
BUILDING DEPARTMENT: Seventy thousand dollars	70,000 00
BOARD OF APPEAL: One thousand dollars	1,000 00
CITY CLERK DEPARTMENT: Forty-two thousand dollars	42,000 00
CITY COUNCIL: Forty-nine thousand dollars—	
Incidental expenses, of which the sum of \$5,000 is appropriated for free concerts,	\$25,000 00
Joint Committee expenses	5,500 00
City Council proceedings	18,500 00
	<hr/> 49,000 00
CITY MESSENGER DEPARTMENT: Twenty-five thousand dollars	25,000 00
CLERK OF COMMITTEES DEPARTMENT: Twelve thousand seven hundred dollars	12,700 00
COLLECTING DEPARTMENT: Ninety-three thousand dollars	93,000 00
COMMON COUNCIL: Ten thousand five hundred dollars—	
Contingent expenses	\$5,500 00
Salaries of Clerk and Assistants	5,000 00
	<hr/> 10,500 00
ELECTION DEPARTMENT: One hundred and twenty thousand dollars	120,000 00
ENGINEERING DEPARTMENT: Seventy-three thousand dollars	73,000 00
FIRE DEPARTMENT: One million one hundred and fifty-three thousand dollars—	
Current expenses	\$1,070,310 00
Pensions	82,690 00
Leave of absence to firemen, one day in eight, without loss of pay, as part compensation for their services	50,000 00
	<hr/> 1,153,000 00
<i>Carried forward,</i>	<hr/> \$2,024,400 00

APPROPRIATIONS, 1896-97.

285

<i>Brought forward,</i>	\$2,024,400 00
HEALTH DEPARTMENT: One hundred and eighty thousand dollars	180,000 00
HOSPITAL DEPARTMENT: Three hundred and forty thousand dollars	840,000 00
INSTITUTIONS DEPARTMENT: Six hundred and seventy-five thousand dollars	675,000 00
LAMP DEPARTMENT: Five hundred and ninety-five thousand dollars	595,000 00
LAW DEPARTMENT: Forty thousand dollars	40,000 00
LIBRARY DEPARTMENT: Two hundred and twenty-five thousand dollars	225,000 00
MARKET DEPARTMENT: Seven thousand seven hundred dollars	7,700 00
MAYOR: Fifty-six thousand six hundred dollars —	
Current expenses and entertainment of guests, \$80,000 00	
Public celebrations:	
May 30, 1896	\$8,600 00
June 17	5,000 00
July 4	12,000 00
Labor's holiday	1,000 00
	<hr/> 26,600 00
	56,600 00
MOUNT HOPE CEMETERY DEPARTMENT: Twenty-eight thousand dollars	28,000 00
OVERSEEING OF THE POOR DEPARTMENT: One hundred and twenty-five thousand dollars	125,000 00
PARK DEPARTMENT: One hundred and ten thousand dollars	110,000 00
POLICE DEPARTMENT: One million four hundred and seventy-five thousand dollars:	
Current expenses	\$1,400,620 00
Pensions	74,380 00
	<hr/> 1,475,000 00
PRINTING DEPARTMENT: Twenty-six thousand dollars,	26,000 00
PUBLIC BUILDINGS DEPARTMENT: Three hundred and twenty-three thousand four hundred dollars:	
School expenses	\$173,400 00
Other current expenses	150,000 00
	<hr/> 323,400 00
PUBLIC GROUNDS DEPARTMENT (of which the sum of \$5,000 is appropriated for the extermination of <i>Orgia Leucostigma</i>): Ninety thousand dollars	90,000 00
REGISTRY DEPARTMENT: Thirty thousand dollars	30,000 00
SCHOOL COMMITTEE: Two million dollars	2,000,000 00
SINKING FUNDS DEPARTMENT: Two thousand five hundred dollars	2,500 00
STREET DEPARTMENT: Two million and eighty-five thousand dollars:	
Central office	\$19,000 00
Bridge Division	120,000 00
Cambridges Bridges Division	13,000 00
Ferry Division	218,000 00
Paving Division	630,000 00
Sanitary Division	435,000 00
Sewer Division	280,000 00
Street-Cleaning Division	300,000 00
Watering Division	70,000 00
	<hr/> 2,085,000 00
STREET LAYING-OUT DEPARTMENT: Twenty-two thousand dollars	22,000 00
TREASURY DEPARTMENT: Forty thousand dollars	40,000 00
<i>Carried forward,</i>	<hr/> \$10,500,600 00

<i>Brought forward,</i>	\$10,500,600 00
WEIGHTS AND MEASURES DEPARTMENT: Nine- teen thousand dollars	19,000 00
RESERVED FUND (to meet executions of Court and defi- ciencies in current expenses of the several depart- ments): Forty-seven thousand nine hundred and two dollars	47,902 00
Total appropriations for current expenses of City	<u>\$10,567,502 00</u>
CITY DEBT REQUIREMENTS: Three million thirty- four thousand and eighty dollars:	
Sinking-funds	\$1,290,322 00
Interest	1,743,758 00
	<u>3,034,080 00</u>
Total appropriations for current expenses and debt requirements of City	<u>\$13,601,582 00</u>
COUNTY OF SUFFOLK (current expenses): Seven hundred and forty-five thousand dollars:	
House of Correction	\$95,000 00
General expenses	650,000 00
	<u>\$745,000 00</u>
COUNTY DEBT REQUIREMENTS: One hundred and ninety-seven thousand eight hundred and seventy-nine dollars:	
Sinking-funds and principal	\$66,579 00
Interest	131,300 00
	<u>197,879 00</u>
Total appropriations for current expenses and debt re- quirements of County	<u>\$942,879 00</u>
Total appropriations for City and County	<u>\$14,544,461 00</u>
CITY OF BOSTON, WATER DEPARTMENT: One million eight hundred and ninety-seven thousand two hundred and fifty-seven dollars:	
Current expenses	\$575,000 00
Extension of Mains, etc.	250,000 00
Debt requirements:	
Sinking-funds	194,740 00
Interest	877,517 00
	<u>\$1,897,257 00</u>

Ordered, That the Board of Street Commissioners expend for making plans of territory or sections of land under the provisions of chapter three hundred and twenty-three of the acts of the year eighteen hundred and ninety-one, and acts in amendment thereof or addition thereto, the sum of \$48,000, and that the proceeds of loans issued for the purpose specified in said chapter be applied to the payment thereof.

IN BOARD OF ALDERMEN, February 17, 1896.

Passed. Yeas, 11; nays, none.

IN COMMON COUNCIL, February 27, 1896.

Concurred. Yeas, 64; nays, none.

Approved by the Mayor, March 7, 1896.

Attest:

J. M. GALVIN,
City Clerk.

Total appropriations for 1896-97, passed by City Council	\$14,544,461 00
Amount of State Tax. ¹	
Armory loan assessment :	
Sinking-fund,	
Interest,	
Metropolitan sewer assessment :	
Sinking-fund,	
Interest,	
Maintenance,	
Abolishment of grade cross- ings, assessment,	
Interest,	
Metropolitan parks :	
Assessment,	
Interest,	
Maintenance,	

8

¹ April 2, 1896, not yet determined.

WAYS AND MEANS,

OTHER THAN TAXES.

1896-97.

An estimate of the Ways and Means, other than taxes, of meeting the Expenditures of the CITY OF BOSTON and COUNTY OF SUFFOLK for the financial year 1896-97.

Department Estimates. Board of Aldermen:

Soldiers' Relief	\$144,700 00	
City Clerk Department	6,000 00	
City Messenger "	40 00	
Collecting "	12,000 00	
Fire "	2,000 00	
Health "	5,500 00	
Hospital "	44,150 00	
Institutions "	66,300 00	
Interest	90,000 00	
Market Department	600 00	
Mount Hope Cemetery Department	20,000 00	
Overseeing of the Poor "	13,500 00	
Park Department	1,000 00	
Police "	11,000 00	
Public Buildings Department — Armories	10,000 00	
Registry Department	500 00	
Rents	90,000 00	
School Committee	36,000 00	
Street Department:		
Bridge Division	\$1,600 00	
Cambridge Bridges Division,	600 00	
Ferry Division	160,000 00	
Paving Division	30,300 00	
Sanitary Division	38,000 00	
Sewer Division	39,000 00	
Street-Cleaning Division	6,500 00	
Watering Division	1,000 00	
	277,000 00	
Weights and Measures Department	4,000 00	
	\$834,290 00	
County of Suffolk	190,000 00	
	\$1,024,290 00	
Corporation tax	870,000 00	
Liquor licenses	870,000 00	
	\$2,764,290 00	
Appropriations as stated on page 287	\$14,544,461 00	
Income, other than taxes	2,764,290 00	
Amount to be raised in 1896, from taxes, to meet the expenditures for the financial year 1896-97	\$11,780,171 00	
Add State Tax, assessed independently of City Council ¹		
Abolishment of Grade Crossings, Assessment		
" " " Interest		
Armory Loan, Assessment		
" " Interest		
Metropolitan Sewer, Assessment		
Interest		
Maintenance		
Metropolitan Park, Assessment:		
Interest		
Maintenance		

\$

For basis of appropriation bill, see page 217.

¹ April 2, 1896, not yet determined.

INDEX.

	PAGE		PAGE
Abolishment of Grade Crossings ..4, 33, 124		Brighton District, Municipal Court.....	144
Actual Expenditures.....	142, 163	Brighton High School-House	108
Expenditures since 1862.....	216	Square	101
Actual and estimated Income and Taxes, ..	25	Broadway Bridge	115
Adams Street	99	Bromley Park, Roxbury	100
Additional Supply of Water.....	35, 138	Brooker Fund.....	262
Agassiz School-House, etc.....	108	Brookline, Town of.....	35
Aldermen, Board of.....	27, 39	Building Department	27, 40
Almshouse, Charlestown	29, 60, 245	Bullman, Lucy, Charity Fund	259
Amounts refunded	103	Bunker Hill Street between Tufts and	
Annexations	257	Moulton Streets.....	134
Appropriations and Payments, 1895-96 ..	11	Burial Agent.....	40
Appropriations, 1895-96	274	Bussey Park and Arnold Arboretum..77, 81	
1896-97	283	Bust of Oliver Wendell Holmes	40
for 12 years	10	Cambridge Bridges Division	33, 118
Revenue credited to ..	23	Cambridge-Street Bridge.....	115
Transfers of.....	279	Cedar Square	101
Architect Department.....	37	Celebration, July 4th.....	93
Arklow Street	134	June 17th	94
Armories	32, 88	Labor's Holiday.....	95
Armory Loan Assessment	4, 114	May 30th	94
Arnold Arboretum and Bussey Park..77, 81		Celebrations, Public	32, 93
Assessing Department	37	Cemeteries, etc.....	52, 235
Assessment of Taxes.	10	Census	256, 257
Assessments	4, 29, 33	Central Office, Street Department	114
Auditing Department.....	38	Central Square, East Boston	98
Austin Farm, Insane Hospital.....	28, 53, 245	Centre Street	101
Austin Primary School-House.....	108	Chambers Street, Ashland Street, Liv-	
Average Valuation for 5 years less abate-		ngton Street.....	134
ments.....	10, 217	Chapel and Administration Building,	
Average Valuation and Basis of Appro-		Long Island.....	64
priation Bills.....	217	Charlesbank	77, 80
Babcock Music Fund	32, 272	Charles-River Bridge.....	115
Balance in Treasury.....	3, 5, 24	Draw Remodelling	124
Balance carried to 1896-97.....	11, 24	Charleslown Almshouse.....	29, 60, 245
from 1894-95.....	11	Bridge	124
Ball Hospital Fund.....	271	City Square	98
Bank Tax	35, 39	City of, dividend	27
Collecting	28	Municipal Court	143
State	35	Parks	77, 82, 97
Bates Library Fund.....	267	Playground	82
Bath-houses.....	234	Poor Funds	261
Baths, Public	52	School Trust Funds.....	264
Bellflower Street.....	125	Charter Street.....	125
Bells	233	Cheever Hospital Fund.....	272
Belmont Square, East Boston	98	Chelsea Bridge,	115
Berwick Park.....	97	North, Rebuilding	
Betterments, etc.....	32	Draw, etc.	124
Bigelow Library Fund	267	Police Court.....	144, 150
Blackstone Square	95	Street Bridge	116
Blue Hill and other Avenues.....	30, 70	Rebuilding.....	124
Board of Aldermen	27, 39	City Clerk Department	41
Appeal	40	Fees received ...	27
Commissioners of Sinking-		Council, Incidental Expenses ....27, 43	
Funds	27	Council and Committees' Expenses, ..	41
Health	28, 51	Council Proceedings	44
Survey	68	Debt. (See Debt.)	
Bond Street, Asphaltting	125	Hall	97
Bonds and Mortgages, Public Lands....	229	Hospital	28, 53
Borrowing capacity	1	Income	3, 27
Boston Almshouse and Hospital	29, 61	Messenger Department	28, 45
Boston Firemen's Relief Fund.....	261	Nursery and Greenhouses.....	101
Bounty, Destruction of Seals.....	152	Payments	37
Bowditch Library Fund.....	267	Registrar, Fees received.....	32
Bowdoin School Fund	264	Point, Marine Park	77, 80
Boylston Funds.....	250	Property	226
"Bradlee, J. Putnam," Steamer. 20, 63, 246		Square, Charlestown	95
Branch Library, West End.....	73	Claims, Old	75
Bridge Division	33, 114, 251	Clerk of Committees Department.....	46

	PAGE		PAGE
Clocks	234	Debt, Objects of.....	185
Cochituate Water-Works	35, 136, 263	Outstanding (due).....	47
Cost of Construction.....	198, 200	Paid	6, 45, 135
Debt.....	6, 36, 186, 195	Percentage taxed for.....	45
Objects of.....	186, 191	Redemption of.....	45
When due.....	160, 186	Requirements for 1895.....	46
Expenditures and receipts, since		Sinking-Funds	134
1846.....	199	Temporary.....	3, 35, 136
Expenses met from loans.....	221	Total of.....	192
Extension of Mains, etc.....	140	When due.....	160, 162
Income	35	Deer Island, Institutions at.....	245
Interest	137, 161	Devens Infant School Fund	265
Property	263	Dexter Fund.....	259
Refunds.....	137	Distinguished Strangers, Entertainment	
Sinking Funds	7	of.....	74
Collecting Bank Tax.....	28	Dog Licenses	33
Department.....	28, 46	Dogs, Damages by	47
Columbus Avenue.....	71	Dorchester —	
Extension.....	134	Field.....	92
Combination Wagon-house.....	90	Municipal Court.....	144
Comins School Library Fund.....	264	Park.....	78
Commercial Point Bridge	116	South Cemetery Trust Fund,	
Commissioners of Sinking-Funds	3, 4, 27	Square, Meeting-House	53, 273
Expenses of.....	113	Hill.....	92
Paid to.....	45	Dover-Street Bridge.....	116
Received from	3, 27	Drainage of Faneuil Hall, Quincy Mar-	
Committees of City Council, Expenses		ket Houses.....	89
of	41	East Boston, District Court	143, 149
Common and Public Squares.....	95	Ferries.....	33, 119, 207
Common Council	46	Public Grounds	98
Commonwealth Avenue.....	71, 77, 81, 126	Eastburn School Fund	265
Commonwealth Park	99	Eaton Square, Dorchester	92
Concord Square.....	96	Election Department.....	48
Congress and L Streets	126	Election Expenses	41, 48, 89, 103
Congress-Street Bridge.....	116	Engine-House No. 4, Alterations.....	82
Conscience Fund.....	28	" 6, "	89
Contingent Fund, Joint Committees.....	41	" 8, "	89
Copley Square	97	" 10, Remodelling.....	82
Corporation Tax	47	" 27, "	90
County Buildings	145	" 1, Repairs	90
Court-House	145	" 2, "	90
Courts. (See Municipal, Police,		" 15, "	91
Probate, Chelsea, Superior,		" 43, "	91
and Supreme Courts.)		Engine-Houses.....	230
Debt.....	152, 184	Engineering Department.....	28, 48
Expenditures	145	Entertainment of Guests	74
Since 1862.....	216	Essex Square	98
Fines	152	Essex and Lincoln Streets.....	34, 134
Income	143	Essex-Street Bridge.....	116
Interest	152	Estimated and Actual Income and	
Miscellaneous Expenses	144, 152	Taxes, 1895-96	25
Payments	145	Estimated Income, 1896-97	283
Receipts	143	Evergreen Cemetery.....	28, 52
Revenue	143	Trust Fund.....	53, 273
Court-House	145	Expenditures, City	4, 37, 142
Courts. (See Municipal, Probate, Chel-		Actual for City and	
sea, Superior, and Supreme.)		County.....	142, 163
Craigle's Bridge.....	118	34 years.....	215
Cudworth School	108	County.....	145
Damages.....	43	Estimated, 1896-97	283
by dogs	47	Real.....	142
Grade.....	133	Regular Department,	
Land	133	2 years	218
Stony Brook	133	Expenses of Departments.....	37, 218
Dartmouth Street, Boylston Street to		Office, Public Institutions, ..	63
Commonwealth Avenue.....	126	Pauper, Public Institu-	
Debt, City and County, 7, 8, 9, 28, 155, 161,		tions.....	29, 63
Authorized, but not issued	159	Extending Streets. (See Widening.)	
Authorized by Special Statutes ..	196	Extension of Mains, etc., Cochituate	
Character of funded.....	162	Water-Works.....	140
Cochituate Water (Loans). (See		Faneuil Hall. (See Public Buildings.)	
Cochituate Water Works.)		Faneuil Hall Market. (See Public Build-	
Exemptions.....	7	ings, Markets, and Rents.)	
Funded for 75 years.....	193	Federal-Street Bridge	116
Gross for 75 years.....	193	Fees	27, 32
Issued 1895-96	6, 28, 166	Fern Square.....	101
Issued since 1822	194	Ferry Division	33, 119, 251
Interest on	45, 161, 192	Ferry Boat "East Bos-	
Less means of paying.....	2	ton," remodelling.....	125
Means of paying.....	2	South Drop, South Ferry,	
Mystic Water. (See Mystic Wa-		South Drop, South Ferry,	
ter-Works.)		Fines	125
Net for 75 years.....	193	Fire Alarm Telegraph.....	50, 209, 232

	PAGE		PAGE
Fire Boat No. 2	50	Hospital, Lunatic	28, 57
Department	28, 49, 209, 230	New	65
Department Buildings, So. Boston,	20	Small-pox	28
Erection of	89, 209	House of Correction	144, 152, 245
Repairs on	87, 209	Industry	28, 56, 245
Engine House No. 4, altera- tions	89	Alterations and addi- tions	64
Engine House No. 6, altera- tions	89	Reformation	20, 62
Engine House No. 8, altera- tions	89	Houses and Lands in charge of Street Commissioners	238
Engine House No. 10, remodel- ing	89	Hunt Fund, Charity	260
Engine House No. 27, remodel- ing	20	Huntington Avenue	72
Combination Wagon-house ..	20	Hyde Bequest	272
Headquarters, etc. ..	21	Improved Sewerage	55, 236
Ladder House No. 1	91	Improvement, Stony Brook	34
No. 5	20	Incidental Expenses	27, 43
Ward 19	21	Income, City	3, 27
Marshal	144	County	143
Firemen's Relief Fund	261	Estimated and Actual, 1895-96, ..	25
Forest-Avenue Section, Temp. Sewer Outlet, etc.	132	Estimated, 1896-97	288
Fort Hill Square ..	97	Excess over Estimated, 1895-96 ..	25
Foss Seventeenth of June Fund	32, 272	Independence Day Celebration	93, 94
Flag Fund	32, 272	Square, South Boston	98
Fountain Square	100	and Thomas Park	102
Fourth of July Expenses	93, 94	Inland Bridges, Repairs on	117
Franklin Club Library Fund	268	Insane Hospital, Austin Farm	28, 58
Field	78, 82	Pierce Farm	79, 58
Mechanics' Fund	262	Insanity Cases	151
Medal Fund	265	Inspection of Buildings Department ..	27, 40
Park	76, 79	Milk and Vinegar	56
Square	96	Provisions	56
Trades School Fund	28, 51	Institutions Department	28, 56
Furniture	234	Instructors of High, Grammar, and Pri- mary Schools. (See Schools.)	
Garden, Public	95	Interest paid	45
Gibson, Christopher, School	109	received	29
School Fund	33, 245	on bank balances, etc. ..	3, 29
Income	33, 107	overdue taxes	29
Gold-Street Bridge	125	sewer assessments, ..	29
Goodnow Hospital Fund	271	paving assessments, ..	29
Poor Fund	260	Islands owned by the City	239
Grade Crossings, Abolishment of, 4, 33, ..	124	(See Public Institutions.)	
Grade Damages	133	(See Health Department.)	
Grammar School-House, Bowdoin Dist., ..	109	Jackson Square, Brighton	101
Gibson Dist.	109	Jail	143, 146
Harris Dist., ..		Jeffries Fund	259
site	109	Joint Committees of the City Council, Expenses of	41
Mt. Vernon	109	Judgments, etc., against City	43
Stoughton Dist.	109	July 4th Celebration	93, 94
Grand Army of the Republic, Allow- ances to Posts	94	June 17th Celebration	94
Granite Bridge	116	Kent, Wm. H., School	111
Greenhouses and Nursery	96	L-Street Bridge	116
Green Library Fund	269	Labor's Holiday Celebration	95
Greenwich Park	97	Ladder-House No. 1	90
Guests, Reception of	74	No. 5	20
Ham's Court Extension	134	Ward 19	21
Hancock School-House, Enlargement of Yard	110	Lamp Department ..	29, 66, 203, 237
Harris (Charlotte) Library Fund	269	Land Damages	138
Harris (Thomas B.) Library Fund	269	Land and Houses in charge of Street Commissioners	238
Harrison Ave., between Essex and Beach Streets	35, 134	Lands, Public. (See Public Lands.)	
Harvard Bridge	118	Latin School Prize Fund	265
Street	134	Law Department	67
Hay Scales	28	Lawrence (Abbott) Library Fund	267
Health Department	28, 51, 234	School Funds	265
Hemmenway Hospital Fund	272	(Edward) Library Fund	268
Henchman Street	126	Laying Out Streets Department	34, 133
Highland Park	100, 101	Laying Out and Construction of High- ways	29, 68
Highways, Laying Out and Construc- tion of	29, 68	and Widening of Streets since 1922	222
Holton Poor Funds	260	Legal expenses ..	43
Home for Paupers, Rainsford and Long Islands	29, 60	Lewis Square	100
Horace Mann School Fund	265	Street Extension, Paving	126
Hospital Department ..	28, 53, 235	Library Building, Dartmouth Street ..	91
Trust Funds	271	Furnishing	92
New Buildings	54	Department	30, 72, 239
		Interest on Trust Funds ..	20
		Trust Funds	73, 267
		Lighting Streets	66, 203
		Lincoln Square, South Boston	99
		Linwood Park	100

	PAGE		PAGE
Liquor Licenses.....	30, 73, 84	O'Brien, Hugh, School-House, addi-	110
Amounts received from,	4, 30, 206	tional land.....	110
Loan, Temporary.....	136	Office Expenses, Public Institutions....	63
Loans Authorized but not Issued.....	152	Old Claims.....	5, 75
Premium on.....	85	Orchard Park, Roxbury.....	100
Loans. (See Debt.)		Outstanding Debt (due).....	47
Lodge for Wayfarers.....	75	Overseeing of the Poor Department...30, 75	
Long Island.....	246	Buildings in Charge of, 246	
Chapel and Administration		Trust Funds.....	259
Building.....	64	Parental School.....	62, 246
Home for Paupers.....	60	for Boys.....	65
New Buildings.....	64	Alterations... 66	
Longwood Park, Roxbury.....	100	Furnishing.... 65	
Loring, Charles Greeley, Memorial Fund	268	Park Department.....	30, 76
Lowell Square.....	97	Bussy Park and Arnold Arbore-	
Lunatic Hospital.....	28, 57	tum.....	77, 81
New.....	65	Charlesbank.....	77, 80, 81
Furnishing.....	65	Charlestown.....	77, 82
Madison Square, Roxbury.....	100	Playground.....	82
Magnolia Street.....	99	City Point, Marine Park.....	77, 80
Malden Bridge.....	116	Dorchester.....	78
Marcella-Street Home.....	29, 59, 245	Franklin.....	76, 79
Trust Fund.....	272	Field.....	78, 82
Marine Park, City Point.....	77, 80	Maintenance.....	76
Market Department.....	30, 73	Marine Park, City Point.....	77, 80
Houses, Drainage of.....	89	Parkway.....	76, 78
Mason Fund.....	259	Public, Construction.....	78
Massachusetts Avenue.....	96	System, Cost of, etc.	240
Maverick Square, East Boston.....	98	Square.....	97
May 30th Celebration.....	94	Wood Island.....	77, 81
Mayor.....	74	West Roxbury. (See Franklin	
McClellan Street, Old Road to White		Park.)	
Street.....	126	Wards 6 and 7.....	78, 82
Means for Paying Debt.....	2	Pauper Expenses.....	29, 63
Mechanic Arts High School.....	110	Home for, Rainford and Long	
Furnishing, 110		Islands.....	60, 61
Medical Examinations.....	144, 151	Income.....	29
Meeting-House Hill, Dorchester.....	99	Paving Division.....	33, 119
Melville Avenue.....	127	Payments on Account of Appropriations, 11	
Meridian-Street Bridge.....	116	City.....	4, 37
Messenger Department.....	45	County.....	145
Metropolitan Sewer Assessment....	4	from Regular Appropriations	
Metropolitan Sewerage.....	4	for 9 years.....	218
Milk and Vinegar Department, Inspec-		Pay-Roll Tailings.....	3, 4, 31, 83
tion of.....	56	Peabody Square.....	99
Millmore Brimmer School Fund.....	266	Pedlers' Licenses.....	31
Monuments and Statues.....	250	Pemberton Fund.....	269
Mount Hope Cemetery Department...30, 74		Pensions, Payments for.....	210
Trust Fund. 30, 74, 273		Perkins Hospital Fund.....	271
Bowdoin.....	92	Phillips Library Fund.....	267
Washington-Avenue Bridge... 117		Street Fund.....	270
Municipal Court.....	148	Income.....	31, 83
Civil Session.....	143, 148	Pierce Farm, Insane Hospital.....	29, 58
Criminal Session.....	143, 148	Fuel Fund.....	260
Brighton District.....	144, 150	Library Fund.....	268
Charlestown District.....	144, 149	Playstead, North Brighton.....	82
Dorchester District.....	144, 149	Police Charitable Fund.....	261
Roxbury District.....	144, 150	Income.....	31, 85
South Boston District.....	144, 149	Court, Chelsea.....	141, 150
West Roxbury District.....	144, 150	Department.....	31, 83, 241
Mystic Water-Works.....	35, 137, 254	Signal System.....	85
Cost of Construction, 202		Station-Houses.....	200, 241
Debt.....	36	Station-Houses, Repairs on... 83, 202	
Interest on.....	138	Station-Houses, Erection of.....	202
Expenditures and Re-		Poor Funds.....	259
ceipts.....	201	Charlestown Funds.....	261
Income.....	35	Overseers of.....	30, 75
Land, etc.....	141	Widows' Fund.....	262
Property.....	254	Population.....	256, 257
Refunds.....	138	Pound.....	241
Sewer.....	255	Premium on Loans.....	3, 31, 85
Neponset Bridge.....	117	Premium received on Bonds sold since	
New Buildings, City Hospital.....	54	1875-76.....	196
Long Island.....	64	Prescott Square, East Boston.....	98
New Lunatic Hospital.....	65	Preston Lot.....	31
Furnishing.....	65	Primary School-House, Aberdeen Dist..	110
School-House, Ward 15.....	110	Canterbury and	
Nichols Hospital Fund.....	271	Sharon Streets 110	
Norcross School Library Fund.....	266	Furnishing. 110	
Hospital Fund.....	271	Eustis Street,	
North Brighton, Playstead.....	82	New Building, 111	
Nursery and Greenhouses, City.....	101	Furnishing. 111	
		Genesee Street.. 111	

	PAGE		PAGE
Primary School-House, Morton Street ..	111	School Supplies and Incidentals	105
Furnishing ..	111	Fuel, Gas, and Water	106
Moulton Street..	111	Expenses for 20 years.....	211
Furnishing ..	112	School Committee ..	32
North of Broad-		Fund, Gibson, Income.....	33, 107
way	112	Houses, Public Buildings.....	106
Oak Square	112	Income	32
Prince Street, Asphaltting ...	127	Instructors.....	33, 109, 212
Printing Department.....	31, 86	Janitors, Salaries of	106
Prison-Point Bridge.....	118	Property.....	246
Probate Court and Office Expenses.....	148	Teachers, Salaries of	105, 212
Property of the City, Real and Per-		Trust Funds	264
sonal.....	229	Houses.....	107
Property, Sale of City.....	32	Aberdeen District.....	110
Protection of Water Supply.....	141	Agassiz, etc.....	108
Provisions, Inspection of.....	56	Austin, Primary.....	108
Public Baths.....	52, 242	Furnishing ..	108
Buildings Department	31, 86	Bowdoin District.....	109
Celebrations	32, 93	Brighton High.....	108
Clocks	234	Canterbury and Sharon Streets..	110
(See also School Buildings.)		Furnishing, ..	110
Garden	95	Eustis Street, New Building.....	111
Grounds Department.....	95, 243	Furnishing, ..	111
Institutions Department.		Genesee Street	111
58, 56, 208, 243		Gibson District	109
Office Expenses.....	63	Furnishing.....	109
Lands	34, 134	Hancock, Enlargement of Yard..	110
Library and Branches	30, 72	Harris District, Site.....	109
Building, Dartmouth		Mechanic Arts High.....	110
Street	91	Furnishing..	110
Donations.....	270	Morton Street	111
Trust Funds.....	267	Furnishing.....	111
West Church, Remodel-		Moulton Street.....	111
ling and Furnishing..	92	Mount Vernon District, Grading,	
Park Construction.....	78	etc.....	109
Wards 6 and 7.....	78	North of Broadway.	112
Parks.....	78	Oak Square.....	112
Charlestown	77	Stoughton District, Building....	109
Scales	246	Ward 15	110
Squares.....	243	Sealing of Weights and Measures De-	
Putnam Square, East Boston	95	partment	33, 113, 250
Quarantine.....	28, 53	Sears Charity Fund.....	259
Quincy Market. (See Faneuil Hall		Sewerage, Improved.....	55
Market.)		Sewers, South Boston.....	182
Rainsford Island.....	245	Sewer Assessments.....	34
Rainsford and Long Islands, Home for		Division.....	34, 122, 253
Paupers.....	61	Out et Low-level, West Roxbury	
Rapid Transit.....	32, 102	District	132
Receipts, City.....	27	Shaw Hospital Fund	271
County.....	143	Signal System, Police	85
(See also Income.)		Sinking-Funds.....	3, 4, 6, 154
Reception of Guests.....	74	Amount for 74 years....	193
Redivision of Wards.....	43	Department.....	113
Refunds	5, 103	Money received from. 3, 6, 27	
Registry Department.....	32, 104	Percentage taxed for....	45
Registry of Deeds	144, 152	Statement for year..	154
Registration of Voters Department.....	103	Small-pox Hospital.....	28
Rents	32	Smith School Fund.....	266
of Department Buildings, etc.,		Soldiers' Relief.....	27, 40
outside of City Hall.....	206	Soldiers' Monument Lot, W. Roxbury..	101
Repairs on Inland Bridges	117	South Boston Municipal Court	144
Reserved Fund.....	32	Library Trust Fund.....	270
Residue Tax Sales, etc.....	5, 32, 104	Squares, Public	243
Revenue, City.....	27	St. Stephen Street.....	97
County.	143	State Aid to Soldiers, Sailors, and De-	
Credited to Appropriations...	23	pendents.....	40
Transfers from.....	282	Bank Tax.....	4, 33
Richardson Square.....	99	Tax.....	4, 113
Right to Borrow.....	8	Station (Police) Houses.....	209
Rogers Park	101	Statues and Monuments	250
Roxbury Municipal Court.....	144	Statues of Grant, Sheridan, and Farra-	
Rutland Square	96	gut.....	114
Sailors, Aid to. (See Soldiers' Relief.)		Steamer "J. Putnam Bradlee"....	29, 63, 246
Sale of Bonds	3	Stevens, Rachel T., Poor Fund.....	260
City Property.....	32	Stony-Brook Damages	133
Sanitary Division.....	33, 121, 252	Improvement.....	34
Saratoga Street.....	127	Stoughton Poor Fund	260
Sawyer Bequests.....	32, 104, 265, 272	School Fund	266
Scales, Public.....	246	Strangers, Distinguished, Entertainment	
Scholfield Library Fund	260	of.....	74
School Buildings.....	247	Street Commissioners	133
Schools and School-Houses.....	32, 104	Land and Houses	
School Committee, Salaries of Officers..	104	in charge of....	238

	PAGE		PAGE
Street Cleaning Division.....	34, 123	Telegraph, Fire Alarm.....	50
Department	33, 114, 251	Telegraph Hill, South Boston.....	99
Central Office.....	114	Temporary Home.....	75
Improvements, Ald. Dist. No. 6..	127	Loan.....	3, 35, 136
Wards 1 and 2 ..	127	Ticknor Bequest.....	268
Ward 3	127	Titles, Tax.....	35, 136
" 4	127	Townsend Library Fund.....	268
" 5	128	Transfers of Appropriations.....	279
" 6	128	Surplus Revenue	282
Wards 6, 7, and 8 ..	128	Treadwell Library Fund.....	269
" 7 and 8.....	128	Treasury Balance	3, 5, 24
Ward 9	128	Department.....	136
Wards 9 and 10..	129	Trees, Street.....	96
Ward 11	129	Trust Funds.....	4, 259
" 12	129	Union Park	97
" 13	129	Valuation of Boston.....	10
" 14	129	Average, for 5 years	10
Wards 14 and 15..	130	Vinegar and Milk Department, Inspec-	
" 16	130	tion of.....	56
Wards 17 and 18..	130	Voters, Registration of, Department....	103
" 19 and 22..	130	Voting Expenses. (See City Clerk De-	
Ward 20	131	partment and Public Buildings De-	
" 21	131	partment.)	
" 23	131	Walnut Park, Roxbury	101
Wards 23 and 25..	131	Waltham Street, Square	97
Ward 24	131	Wards, Redivision of	43
" 25	132	War Payments.....	215
Laying-Out Department.....	34, 133	Warren Bridge	117
Lighting, Expenses for.....	66, 203	Square	101
Trees	96	Street, Asphalted.....	132
Widening and Laying Out since		Washington Park, Roxbury.....	100
1822.....	222	Street, Ward 25	135
Suffolk County Court-House	145	Water, Additional Supply of.....	135, 138
Sullivan Square, Charlestown.....	97	Department	136
Superior Court:		Watering Division.....	34, 123
Civil Session	143, 147	Water-Works. (See Cochituate and	
Criminal Session	143, 147	Mystic.)	
Supreme Judicial Court	143, 147	Wayfarers, Lodge for.....	75
Survey, Board of	68	Ways and Means, 1896-97	288
Surveying Department.....	135	Webb Franklin School Fund.....	266
Talbot Avenue, Dorchester Avenue to		Weights and Measures Department,	
Washington Street.....	132	Sealing of.....	113, 260
Taxes	35, 135	Weld, Stephen M., School.....	110
Actual and Estimated, and In-		West Boston Bridge	118
come.....	25	Western Avenue and North Beacon-	
Bank.....	33, 35, 38	Street Bridges.....	117
Collecting	28	West Roxbury Park, (See Franklin Pk.)	
State	33	Municipal Court	144
Bill of 1895.....	278	Widening, Extending, and Laying Out	
1896.....	283	Streets.....	222
Corporation.....	35, 47	Widows' Poor Fund	262
Rate for Eleven Years.....	10	Winthrop Bequest.....	266
State	113	Bridge.....	117
Titles	35, 136	Fund, Robt. C.....	107
Town of Brookline.....	35	Square, Charlestown.....	97
Taxes, Warrant.....	10	Wire Department.....	36, 141
Tax Sales, Residue, etc.....	5, 32, 104	Wood Island Park	77, 81
Teachers, Salaries of.....	212	Worcester Square.....	96

ANNUAL REPORT
OF THE
BUILDING DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 4 — 1896.]

OLD COURT HOUSE, February 1, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

DEAR SIR: In compliance with Section 22 of Chapter 3 of the Revised Ordinances of 1892, a statement of the operations of the department is hereby presented, from February 1, 1895, to January 31, 1896.

Very respectfully yours,

JOHN S. DAMRELL,

Building Commissioner.

The number of permits granted for first and second class buildings was 541; for third-class buildings, 2,113; for alterations, 2,562; for the setting of steam-boilers, engines, heating-apparatus, etc., 1,505; for plumbing, 4,784; making a total of 11,505 permits granted.

The number of examinations made in consequence of these permits having been granted upon new buildings was 28,025; alterations, 8,254; boilers, etc., 1,680; plumbing, 8,614; plans, 3,465.

In addition to these there were 1,908 elevators examined, and 1,250 examinations made of buildings relative to better means of egress, and 438 special examinations made, making a total of 53,634 examinations made during the year.

These examinations occasioned 519 reports relative to unsafe buildings, dangerous chimneys, etc.; 1,138 reports relative to violation of statutes; 29 reports relative to violation of ordinances; and 3,190 reports relative to buildings completed.

There were also 1,571 reports made relative to fires and accidents, making a total of 6,447 reports.

The number of notices issued from the department for violations was 1,002; for securing unsafe buildings, etc., 205; for dangerous chimneys, 71; for better means of egress, 253; and there were 1,609 miscellaneous communications; making a total of 3,140.

During the year there were 3,465 plans presented, of which 2,800 were approved and 665 disapproved.

There were referred to the Board of Appeal for its approval 54 applications to restore premises to original condition, same being damaged by fire. Twenty-five appeals were taken, of which 17 were sustained, 6 were not sustained, 1 given leave to withdraw, and 1 pending.

Of the permits granted for first and second class buildings, *i.e.*, 541, 338 were for dwellings, 64 for tenement-houses, 27 for apartment-houses, 7 for mercantile buildings, 6 for office buildings, 15 for storage buildings, 10 for stables, 11 for stores, 2 for churches, 3 for breweries, 7 for manufacturing buildings, 4 for mechanical buildings, 3 for school-houses, 1 warehouse, and the balance for miscellaneous purposes, for which see table specifically describing same.

For third-class buildings, of which there were 2,113 permits granted, 1,736 were for dwellings, 69 for stables, 48 for storage purposes, 43 for stores, 42 for dwellings and stores, 24 for mechanical, 10 for office, and the balance for various purposes, for which see table specifying same.

The number of first and second class buildings completed during the year was 328, at a cost of \$6,206,788.

The number of third-class buildings completed during the year was 1,445, at a cost of \$6,129,855.

There were also 2,272 alterations completed, at a cost of \$2,754,327, — making a total tax valuation by construction and improvements of \$15,090,970.

There were 226 examinations made relative to additional means of egress from buildings, 784 reëxaminations; 93 requisitions were issued, and 160 letters written upon the same; and 38 communications were received, referred, and acted upon relative to means of egress. There are now 110 buildings under consideration.

There were 127 buildings provided with better means of egress, which accommodated 338 families or 8,305 persons, at a cost of \$72,675.

There were 611 examinations made of steam freight elevators, 55 examinations of steam passenger elevators, 169 hydraulic freight, 316 hydraulic passenger, 145 electric freight, 63 electric passenger, 313 hoistways, 247 hand elevators, — making a total of 1,980 examinations.

These necessitated 275 complaints, and 81 reports relative to accidents, construction, etc.

There were also 33 letters received, referred, and acted upon.

There have been 195 complaints closed, at a cost of \$6,690.

There were 1,571 examinations made relative to buildings damaged by fire or accident.

There were 642 buildings damaged by fire, the amount of damage estimated, \$368,796. The causes are classified as follows: Carelessness, 267; defective construction, 34; electric wires, 6; incendiary, 64; other causes, 271.

The total appropriation for running the department was \$70,950, and the department turned over an unexpended balance of \$516.11.

The property of the department consists of the records, documents, etc., a horse, buggy, harness, typewriter and cabinet desk for same, and a boat.

During the month of August the department was called upon to examine a great number of grand stands, platforms, balconies, etc., for the accommodation of people to observe the great Masonic parade. Great care was taken that in the construction of these stands, and their use and occupancy, no accidents should occur; and for the efficient and faithful manner in which this gratuitous service was performed, there being only a moral obligation on this department for such service, it is but to be known that no accident of any kind whatsoever occurred, and yet thirty-five thousand people were accommodated. The estimated cost of these stands was \$31,500, and there were in the vicinity of 1,150,000 feet of lumber used.

The matter is one of great gratification to the department, and must have been of satisfaction to the public, to know that so great a parade could have taken place, and so many people be accommodated, and nothing occur in the nature of an accident to mar the pleasure of the occasion. In fact, the department has received commendation from several quarters outside of the city and State, and feels well repaid for its efforts in that direction.

The tables following in this report show the detail of the workings of the department. In previous years these tables have been by wards as well as by months, but this year, owing to the change of the ward lines, which, as far as this department was concerned, took effect in the middle of the summer, no correct record can be given by wards.

The department has completed its twenty-fifth year of existence, and during that time there have been, according to the records of the office, permits granted for 9,300 brick buildings, 29,780 wooden buildings, and 52,146 alterations made, 18,599 boilers, engines, heating-apparatus, etc., set, 48,266 plumbing operations.

There were also 23,797 permits granted for the occupancy of the street while the authority was vested in this department; also 333 permits granted to project electric lights. The street permits are now under the control of the Street

Department, and electric lights are authorized by the Board of Aldermen.

It is also a matter of record that, during these twenty-five years, there have been 273,487 examinations made of new buildings in process of erection, 157,882 of alterations, 26,799 of boilers, engines, etc., 165,558 of plumbing operations, 28,933 of plans, 40,543 relative to better means of egress, 19,905 relative to condition of elevators, 3,455 miscellaneous examinations.

There have also been 22,093 notices issued.

During this time there have been 7,305 brick buildings completed, at an estimated cost of \$159,012,025.

There have been 25,375 wooden buildings completed, at a cost of \$79,130,684; 49,357 alterations made, at an estimated cost of \$49,008,131.

There have been 16,199 boilers, engines, heating-apparatus, etc., set, at an estimated cost of \$6,986,795.

There have been 24,572 alterations made in plumbing, at a cost of \$4,285,677, making a total of \$298,423,312 expended in the improvement of property in the last twenty-five years, and for which a tax revenue was collectible.

PERMITS.

Table showing number and purposes for which permits have been granted, by months.

	February.	March.	April.	May.	June.	July.	August.	Septem-ber.	October.	Novem-ber.	Decem-ber.	January, 1896.	Total.
First and second class building .	18	39	86	25	44	79	48	42	83	61	26	40	541
Third-class building	111	109	279	234	199	221	179	136	215	195	140	95	2,113
Alterations	100	180	265	301	225	371	214	241	194	211	131	129	2,562
Boilers and engines, etc.	112	55	136	89	58	110	77	169	224	142	219	114	1,505
Plumbing	179	294	419	518	439	528	407	346	452	446	477	279	4,784
Total	520	677	1,185	1,157	965	1,309	925	984	1,118	1,055	993	657	11,505

Number and purposes of first and second class buildings for which permits have been granted :

Apartments	27	Mercantile	7
Apartments and hall	1	Offices	6
Apartments and stores	4	Prison	1
Boiler-houses	8	Pathological	1
Breweries	3	Power station	1
Churches	2	Refrigerator building	1
Dry-house	1	Shops	3
Dwellings	338	School-houses	3
Dwellings and stores	5	Sheds	1
Filter-house	1	Stores	11
Gate-house	1	Stables	10
Hotels	2	Storage	15
Hall and store	1	State prison	1
Ladder-house	1	Tenements	64
Lodging-houses	3	Tenements and stores	5
Manufacturing	7	Warehouse	1
Market and offices	1		
Mechanical	4	Total	541

Number and purposes of third-class buildings for which permits have been granted :

Dwellings	1,736	Dwelling and store	42
Storage	48	Stable and storage	2
Lockers	7	Restaurant	1
Stables	69	Coal-pocket	1
Stores	43	Machine-shop	1
Ice-houses	2	Waiting-room	1
Store and storage	2	Ash-receiver	1
Mechanical	24	Chapel	2
Manufacturing	6	Storage and mechan-	1
Poultry-house	6	ical	1
Foundry	1	Pavilion	3
Shed	6	Lumber-shed	2
Office	10	Carpenter-shop	1
Carriage-shed	8	Grain elevator	1
Mercantile	1	Pumping-station	1
Greenhouse	9	Stations	2
Office and stores	6	Car-houses	3
Storehouse	1	Office and waiting-	1
Tool-house	6	room	1
Summer-house	2	Shop	1
Coal-shed	4	Schools	4
Wagon-shed	9	Dormitory	1

BUILDING DEPARTMENT.

7

Tap-room	1	Office and coal-shed	1
Storage and shop	1	Hay-shed	2
Coach-house	3	Freight-house	3
Studio	1	Dwelling and shop	1
Stable and wagon-shed,	1	Storage and lodging	1
Milk-shed	1	Reporters' stand	1
Cow barn	1	Dwelling and waiting-	
Shelter shed	3	room	1
Store, offices, and hall,	1	Wash-house	1
Locker and storage	1	Bakery and tenements,	1
Saloon and laundry	1	Warehouse	1
Observation stand	6		
Hotbed	1	Total	2,113

ALTERATIONS, ETC.

The following classification shows the number of buildings for which permits have been issued to alter, etc., 2,562.

Alterations that have been completed are as follows :

	Number.	Estimated cost.
February	136	\$159,059
March	188	495,796
April	96	77,071
May	138	110,653
June	112	134,105
July	331	207,552
August	210	199,650
September	70	65,010
October	138	104,400
November	298	310,737
December	307	449,867
January, 1896	248	440,427
Totals	2,272	\$2,754,327

**NUMBER OF BUILDINGS COMPLETED, AND ESTIMATED COST
OF SAME.**

	FIRST AND SECOND CLASS.		THIRD CLASS.	
	No.	Cost.	No.	Cost.
1895.				
February	22	\$122,700	87	\$593,425
March	16	542,400	44	208,015
April	39	690,507	164	699,245
May	8	1,124,981	28	118,500
June	0	.....	14	58,300
July.....	1	5,500	1	900
August	21	132,500	26	114,150
September	2	17,000	2	360
October.....	6	127,500	109	516,690
November	70	716,900	223	960,295
December.....	111	2,197,800	420	1,666,100
1896.				
January	32	529,000	327	1,193,875
	328	\$6,206,788	1,445	\$6,129,855

BUILDING DEPARTMENT.

9

EXAMINATIONS.

Table showing the number of examinations made, by months, and for what purpose.

	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January, 1896.	Totals.
New buildings	1,806	1,969	2,621	2,850	2,331	2,737	2,177	2,229	2,622	2,256	2,055	2,372	28,025
Alterations.....	516	804	786	819	652	1,010	595	580	686	604	644	558	8,254
Boilers, etc.....	150	126	127	192	95	91	52	121	154	155	164	253	1,680
Plumbing.....	478	697	763	976	451	889	824	692	806	646	697	695	8,614
Elevators	143	176	250	223	174	227	169	44	160	110	112	120	1,908
Egress	120	135	119	107	112	103	131	54	90	90	104	85	1,250
Plans.	166	309	356	428	289	378	308	248	375	275	188	145	3,465
Specials	44	44	35	25	22	33	106	15	30	13	39	32	438
Total.....													53,634

REPORTS.*Table showing the number of reports made, by months, and for what purpose.*

	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January, 1896.	Total.
Unsafe buildings and dangerous chimneys.....	46	46	81	65	59	38	80	35	65	28	22	4	519
Fires	161	118	142	134	156	111	130	127	112	99	105	176	1,571
Violation of statutes	86	54	111	91	115	74	79	107	113	92	121	95	1,138
Violation of ordinances	2	4	5	4	1	1	1	1	3	1	2	4	29
Finals	123	81	522	151	23	55	208	91	83	285	802	766	3,190
Grand total	418	308	911	435	354	279	381	361	376	505	1,072	1,045	6,447

NOTICES.

Table showing number of notices, by months, and for what purposes.

	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January, 1896.	Total.
Violation of statutes, etc.....	69	61	75	70	57	70	55	67	113	80	105	180	1,002
Unsafe buildings, walls, etc.....	9	21	17	18	12	17	57	7	17	7	10	13	205
Dangerous chimneys.....	7	7	8	12	2	2	.....	1	10	6	8	8	71
Egress	31	14	13	36	19	17	18	20	12	38	22	13	253
Miscellaneous	76	187	189	144	111	120	142	115	169	140	103	113	1,609
Total	192	290	302	280	201	226	272	210	321	271	248	327	3,140

BOILERS, ENGINES, ETC.*Table showing number of boilers, engines, furnaces, etc., set during the year, by months.*

	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January, 1896.	Total.
Furnaces.....	84	38	105	61	44	55	44	108	137	97	110	88	966
Hot-water heaters	5	6	13	7	.....	12	5	21	13	9	13	3	107
Steam-boilers	16	9	9	10	9	35	17	26	49	27	60	8	275
Forges	1	.....	.....	.....	.....	.....	.....	2	1	.....	1	.....	5
Gas-engines.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	.....	4	7
Boiler and engine.....	1	1	3	5	1	2	1	1	2	1	9	2	29
Ranges	4	3	1	1	1	.....	7	1	8	4	9	1	40
Steam-piping.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Broiler .....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Ovens .....	.....	.....	4	2	1	2	1	2	2	3	1	1	19

[illegible]

EGRESS.

MONTH.	Examination.	Re-examination.	Requisition.	Letters.	Letters Received.	Buildings under Consideration.	PROVIDED FOR			Cost.
							Building.	Families.	Persons.	
1895.										
February	25	95	15	16	....	....	10	28	239	\$2,175
March	35	100	9	5	6	....	11	34	210	8,350
April	21	98	8	5	6	....	3	1	134	1,600
May	13	94	16	20	....	....	3	6	102	2,100
June	22	90	9	10	3	....	33	37	797	4,650
July	16	87	....	17	3	....	21	86	989	7,775
August	22	109	6	12	4	....	6	36	448	3,600
September	12	42	4	16	8	....	1	13	110	175
October	15	75	....	12	11	....	4	25	119	6,500
November	20	70	10	28	....	....	8	10	409	3,500
December	20	84	13	9	3	....	25	54	4,528	36,800
1896.										
January	45	40	3	10	1	....	2	8	220	450
Totals	226	784	93	160	38	110	127	338	8,305	\$72,675

ELEVATORS AND HOISTWAYS.

	Steam Freight.		Steam Power.		Hydraulic Freight.		Hydraulic Power.		Electric Freight.		Electric Power.		Hoistway.		Hand Elevator.		Total.		Written Reports.		Letters Received.		Complaints.		Complaints Closed.		Cost.	
1895.																												
February ..	41	1	16	27	25	7	10	16	143	13	3	21	16	8867														
March	54	2	17	42	15	4	38	14	176	16	2	18	12	432														
April	61	1	28	50	7	13	72	18	250	7	2	38	19	453														
May	66	8	21	54	17	5	12	40	223	5	2	26	24	1,262														
June	61	8	14	25	22	2	22	20	174	16	3	18	20	423														
July	96	14	27	33	18	4	9	26	227	9	3	16	21	860														
August	51	9	11	24	11	3	27	23	169	3	1	10	15	493														
September .	13	3	5	4	2	..	9	8	44	3	3	10	3	70														
October ...	35	2	4	9	7	8	62	33	160	6	2	45	18	752														
November .	25	3	8	19	8	2	22	23	110	3	1	14	25	392														
December .	31	3	4	22	9	12	10	21	112	..	6	10	19	609														
1896.																												
January ...	67	1	14	7	4	3	19	5	120	..	5	49	3	77														
Totals...	611	55	169	316	145	63	312	247	1,908	81	33	275	195	36,690														

ELEVATOR AND HOISTWAY ACCIDENT RECORD.

January 14, 1895. Mitchell Davis, employed by Richards & Co., while enclosing elevator shaft at the front with grille, was caught between the car and ceiling, crushing his head and causing death.

February 7, 1895. Fred M. Hawkins fell from the tail-board of a wagon, on which he was loading leather, to the bottom of the elevator shaft in building 30-32 South street. He was removed to the Emergency Hospital, where his skull was found to be fractured. He died the same evening.

February 6, 1895. Redmond McGrath, aged 75, employed as a shipper by Rice, Sayward, & Whittier, was killed by the elevator at 93-101 Arch street. It is supposed that in reaching for the shipper rope he was caught by the ascending car and crushed by it between platform and header of the fourth story.

March 15, 1895. William Bradley, an employee, in attempting to get on to freight elevator car, at 25 Vale street, while it was ascending, got his arm caught between the platform of car and top door-casing at second story, bruising the same. He was taken to the City Hospital.

April 15, 1895. Miss Carrie Badger, in attempting to get into passenger elevator car at 80-82 West Rutland street, got caught between car and door-casing, sustaining severe flesh-wounds. She was attended by a doctor and sent to her home. Some one started the car from the fourth story, unknown to Miss Badger.

June 8, 1895. Ottavia Pazzi, a tenant, in stooping over elevator gate, at sixth story in building 9-15 Chardon street, was caught by descending car, and when extricated life was found to be extinct.

June 30, 1895. Isaac H. Page, of Hotel Westland, corner Westland and Stephen streets, about 11.40 P.M., started the elevator up from first story to the fourth. He did not stop the car at fourth story, and, forgetting this fact, he stepped into well, falling to the bottom, a distance of about thirty-five feet. He was taken to the hospital, where he died July 1.

July 1, 1895. P. Edward Pender, employed by A. W. Morse, lithographer, located in fourth story of building 36-38 Columbus avenue, by mistake stepped into the elevator well, thinking the car was at the landing. He fell to the bottom of the shaft, about forty-five feet, which resulted in instant death.

November 30, 1895. Louis H. Ross fell down the elevator well of building 212-216 Devonshire street. He fell from platform which is in front of elevator well, but was not severely injured.

December 7, 1895. Isaac Hyelhurst, an engineer employed by one Mr. Polsey, tenant of the building 77-79 Pitts street, went down to cellar on the freight elevator car, for the purpose of taking up barrels of coal to engine-room in third story. Some one started the car up, and in attempting to reverse the motors of the car, he was caught between platform of car and header of basement opening to shaft, severing his head from his body, causing instant death.

December 16, 1895. William Garvin, employed by A. C. Getchell in upper story, while engaged in taking a barrel of ashes down on elevator car, in some way unknown fell from second story to basement of

building, 185 Franklin street. He died while being conveyed to the Emergency Hospital.

December 23, 1895. Matthew W. Free, eighteen years old, employed by James A. Hearn, tenant in building 92 Federal street, while in the act of taking a bundle to the elevator, thinking the car was at the landing, stepped into the well, falling to the bottom, a distance of about fifty feet. He died shortly after being taken up.

December 26, 1895. Daniel Donovan, aged fourteen, employed by Damrell & Upham, corner Washington and School streets, while waiting to be taken down from fourth story of building 131 Tremont street, leaned against the door and was precipitated into shaft. Fortunately he caught the shipper rope as he descended, and broke the fall to a great extent. He was taken to the Emergency Hospital, where it was found that his ankle was sprained and head bruised.

December 26, 1895. Miss McCarvelle, in some unknown way opened the elevator-well door of building 226 Tremont street, at first story, and stepped into well, falling to basement floor, a distance of about twelve feet. She was taken to the Emergency Hospital, where her leg was found to be broken.

FIRE AND ACCIDENT RECORD, BUILDING DEPARTMENT.

Record of fires and accidents for the year commencing February 1, 1895, and ending February 1, 1896:

FEBRUARY, 1895.

Total number of examinations	.	.	.	.	.	161
Total number of buildings damaged	.	.	.	.	.	70
Total amount of damage to buildings	.	.	.	.	.	\$25,851

CAUSES.

Carelessness	.	.	.	.	.	35
Defective construction	.	.	.	.	.	6
Electric wires	.	.	.	.	.	0
Incendiary	.	.	.	.	.	3
Other causes	.	.	.	.	.	26

MARCH, 1895.

Total number of examinations	.	.	.	.	.	118
Total number of buildings damaged	.	.	.	.	.	52
Total amount of damage to buildings	.	.	.	.	.	\$43,564

CAUSES.

Carelessness	.	.	.	.	.	20
Defective construction	.	.	.	.	.	4
Electric wires	.	.	.	.	.	1
Incendiary	.	.	.	.	.	5
Other causes	.	.	.	.	.	22

APRIL, 1895.

Total number of examinations	.	.	.	.	.	142
Total number of buildings damaged	.	.	.	.	.	52
Total amount of damage to buildings	.	.	.	.	.	\$6,164

CAUSES.

Carelessness	.	.	.	.	.	.	20
Defective construction	.	.	.	.	.	.	3
Electric wires	.	.	.	.	.	.	1
Incendiary	.	.	.	.	.	.	5
Other causes	.	.	.	.	.	.	23

MAY, 1895.

Total number of examinations	.	.	.	.	.	.	134
Total number of buildings damaged	.	.	.	.	.	.	49
Total amount of damage to buildings	.	.	.	.	.	.	\$4,372

CAUSES.

Carelessness	.	.	.	.	.	.	20
Defective construction	.	.	.	.	.	.	4
Electric wires	.	.	.	.	.	.	0
Incendiary	.	.	.	.	.	.	3
Other causes	.	.	.	.	.	.	22

JUNE, 1895.

Total number of examinations	.	.	.	.	.	.	156
Total number of buildings damaged	.	.	.	.	.	.	45
Total amount of damage to buildings	.	.	.	.	.	.	\$3,955

CAUSES.

Carelessness	.	.	.	.	.	.	28
Defective construction	.	.	.	.	.	.	1
Electric wires	.	.	.	.	.	.	0
Incendiary	.	.	.	.	.	.	6
Other causes	.	.	.	.	.	.	10

JULY, 1895.

Total number of examinations	.	.	.	.	.	.	111
Total number of buildings damaged	.	.	.	.	.	.	46
Total amount of damage to buildings	.	.	.	.	.	.	\$40,677

CAUSES.

Carelessness	.	.	.	.	.	.	19
Defective construction	.	.	.	.	.	.	0
Electric wires	.	.	.	.	.	.	0
Incendiary	.	.	.	.	.	.	6
Other causes	.	.	.	.	.	.	21

AUGUST, 1895.

Total number of examinations	.	.	.	.	.	.	130
Total number of buildings damaged	.	.	.	.	.	.	52
Total amount of damage to buildings	.	.	.	.	.	.	\$29,333

CAUSES.

Carelessness	.	.	.	.	.	.	23
Defective construction	.	.	.	.	.	.	0
Electric wires	.	.	.	.	.	.	0
Incendiary	.	.	.	.	.	.	6
Other causes	.	.	.	.	.	.	23

BUILDING DEPARTMENT.

19

SEPTEMBER, 1895.

Total number of examinations	.	.	.	.	.	127
Total number of buildings damaged	.	.	.	.	.	54
Total amount of damage to buildings	.	.	.	.	.	\$107,334

CAUSES.

Carelessness	.	.	.	.	.	18
Defective construction	.	.	.	.	.	1
Electric wires	.	.	.	.	.	0
Incendiary	.	.	.	.	.	8
Other causes	.	.	.	.	.	27

OCTOBER, 1895.

Total number of examinations	.	.	.	.	.	112
Total number of buildings damaged	.	.	.	.	.	43
Total amount of damage to buildings	.	.	.	.	.	\$15,351

CAUSES.

Carelessness	.	.	.	.	.	8
Defective construction	.	.	.	.	.	3
Electric wires	.	.	.	.	.	0
Incendiary	.	.	.	.	.	5
Other causes	.	.	.	.	.	27

NOVEMBER, 1895.

Total number of examinations	.	.	.	.	.	99
Total number of buildings damaged	.	.	.	.	.	47
Total amount of damage to buildings	.	.	.	.	.	\$52,243

CAUSES.

Carelessness	.	.	.	.	.	13
Defective construction	.	.	.	.	.	2
Electric wires	.	.	.	.	.	3
Incendiary	.	.	.	.	.	7
Other causes	.	.	.	.	.	22

DECEMBER, 1895.

Total number of examinations	.	.	.	.	.	105
Total number of buildings damaged	.	.	.	.	.	51
Total amount of damage to buildings	.	.	.	.	.	\$23,227

CAUSES.

Carelessness	.	.	.	.	.	28
Defective construction	.	.	.	.	.	2
Electric wires	.	.	.	.	.	0
Incendiary	.	.	.	.	.	7
Other causes	.	.	.	.	.	14

JANUARY, 1896.

Total number of examinations	.	.	.	.	.	176
Total number of buildings damaged	.	.	.	.	.	81
Total amount of damage to buildings	.	.	.	.	.	\$16,725

CAUSES.

Carelessness	.	.	.	.	.	.	35
Defective construction	.	.	.	.	.	.	8
Electric wires	.	.	.	.	.	.	1
Incendiary	.	.	.	.	.	.	3
Other causes	.	.	.	.	.	.	34

RECAPITULATION.

Total number of examinations	.	.	.	.	.	.	1,571
Total number of buildings damaged by fire	.	.	.	.	.	.	642
Total amount of damage to buildings by fire	.	.	.	.	.	.	\$368,796

CLASSIFICATION OF CAUSES.

Carelessness	.	.	.	.	.	.	267
Defective construction	.	.	.	.	.	.	34
Electric wires	.	.	.	.	.	.	6
Incendiary	.	.	.	.	.	.	64
Other causes	.	.	.	.	.	.	271

Written communications received, referred, and acted upon :

Street Department :							
Grade notices	.	.	.	.	.	.	40
New streets	.	.	.	.	.	.	29
Smoke-consuming devices	.	.	.	.	.	.	136
							<hr/>
							205
Miscellaneous communications	.	.	.	.	.	.	380
Board of Health :							
Relative to stable licenses	.	.	.	.	.	.	138
Relative to vaults	.	.	.	.	.	.	127
							<hr/>
							265
Law Department	.	.	.	.	.	.	11
Subpœnas	.	.	.	.	.	.	14
Insurance underwriters	.	.	.	.	.	.	2
City Council orders	.	.	.	.	.	.	66
Police notices	.	.	.	.	.	.	23
Fire Department	.	.	.	.	.	.	24
Plumbing applications for examinations	.	.	.	.	.	.	227
Plumbing licenses granted and rejected	.	.	.	.	.	.	220
							<hr/>
Total	.	.	.	.	.	.	1,437

BOILERS.

LOCATION OF BOILERS BY WARDS — 1895-6.

Ward.	Boilers.	Ward.	Boilers.
1 . . .	124	15 . . .	115
2 . . .	121	16 . . .	84
3 . . .	33	17 . . .	150
4 . . .	85	18 . . .	121
5 . . .	73	19 . . .	118
6 . . .	265	20 . . .	195
7 . . .	321	21 . . .	176
8 . . .	60	22 . . .	206
9 . . .	51	23 . . .	134
10 . . .	629	24 . . .	124
11 . . .	365	25 . . .	162
12 . . .	416		
13 . . .	162	Total . . .	4,647
14 . . .	158		

LOCATION BY WARDS OF BOILERS SPECIALLY EXAMINED — 1895-6.

Ward.	Boilers.	Ward.	Boilers.
1 . . .	55	15 . . .	13
2 . . .	105	16 . . .	29
3 . . .	38	17 . . .	99
4 . . .	50	18 . . .	55
5 . . .	38	19 . . .	72
6 . . .	160	20 . . .	68
7 . . .	166	21 . . .	74
8 . . .	23	22 . . .	113
9 . . .	28	23 . . .	38
10 . . .	331	24 . . .	45
11 . . .	333	25 . . .	50
12 . . .	209		
13 . . .	108	Total . . .	2,487
14 . . .	91		

DATE OF MAKE OF BOILERS SPECIALLY EXAMINED.

Year.	Boilers.	Year.	Boilers.
1852 . . .	2	1878 . . .	38
1854 . . .	3	1879 . . .	58
1855 . . .	1	1880 . . .	89
1856 . . .	1	1881 . . .	94
1861 . . .	5	1882 . . .	116
1862 . . .	2	1883 . . .	88
1863 . . .	5	1884 . . .	90
1864 . . .	3	1885 . . .	81
1865 . . .	7	1886 . . .	63
1866 . . .	14	1887 . . .	109
1867 . . .	10	1888 . . .	93
1868 . . .	21	1889 . . .	122
1869 . . .	22	1890 . . .	169
1870 . . .	39	1891 . . .	41
1871 . . .	36	1892 . . .	5
1872 . . .	45	1893 . . .	2
1873 . . .	85	1894 . . .	76
1874 . . .	58	1895 . . .	210
1875 . . .	37	Unknown . . .	376
1876 . . .	48		
1877 . . .	33	Total . . .	2,487

BOILER REPORT OF 1895-6.

Statement of Boilers Examined by Order of the Commissioner.

Total number specially examined . . . 2,487

Form and description, to wit :

Horizontal tubular	1,290
Upright tubular	389
Locomotive	80
Sectional	331
Flue	5
Cylinder	54
Patent	227
Water tube	15
Boilers conforming to statute law	1,481
Boilers not conforming to statute law	705
Condition not ascertainable	120
Total of horse-power examined	89,804
Average horse-power to each boiler	36+
Number of boilers repaired	333

DEPARTMENT EXPENDITURES, 1895-6.

Total Appropriation, \$70,950.

DATE.	Monthly Expenditure.	Total Expenditure.	Balance.
1895.			
February 1.....	\$5,779 76	\$5,779 76	\$65,170 24
March 1.....	6,200 04	11,979 80	58,970 20
April 1.....	5,828 59	17,808 39	53,141 61
May 1.....	5,558 35	23,366 74	47,583 26
June 1.....	5,625 37	28,992 11	41,957 89
July 1.....	5,580 69	34,572 80	36,377 20
August 1.....	5,851 65	40,424 45	30,525 55
September 1.....	5,813 32	46,237 77	24,712 23
October 1.....	6,591 36	52,829 13	18,120 87
November 1.....	5,711 85	58,540 98	12,409 02
December 1.....	5,953 04	64,494 02	6,455 98
1896.			
January 1.....	5,939 87	70,433 89	516 11

COURT CASES.

There were four cases brought in the Municipal Court for violations of the statutes, in which the defendants were found guilty and fined. One case so brought was *not prossed*.

There were twelve cases pending February 1, 1895.

There have been fourteen cases brought during the year. Of these eight cases have been disposed of, which leaves eighteen cases pending February 1, 1896.

The cases, other than those in the Municipal Court, were brought by the attorney of the city, in accordance with the requirements of the statutes regulating buildings.

The cases pending are now in his hands awaiting trial.

PLANS.

The following table shows the number of plans approved and disapproved, by months :

	Approved.	Disapproved.	Total.
1895.			
February	131	35	166
March	226	83	309
April	301	55	356
May	340	88	428
June.....	237	52	289
July	291	87	378
August.....	246	62	308
September.....	202	46	248
October	315	60	375
November.....	232	43	275
December	162	26	188
1896.			
January.....	117	28	145
Total	2,800	665	3,465

ANNUAL REPORT
OF THE
CITY CLERK DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 5 — 1896.]

OFFICE OF THE CITY CLERK,
CITY HALL, February 1, 1896.

HON. JOSIAH QUINCY, *Mayor*:

SIR: In accordance with recommendations contained in your circular No. 1, and of the provisions of Chapter 3, Section 22, of the Revised Ordinances of 1892, I have the honor to transmit herewith a report of the receipts, expenditures, and transactions of this department for the financial year ending January 31, 1896.

By the provisions of Chapter 449 of the Acts of 1895 all matters pertaining to elections, excepting the calling of the same, and the receipt and filing of returns of election expenses, were taken from this department and placed in the custody of the Board of Election Commissioners. At the time of the organization of said Board on July 1, last, all cancelling boxes, seals, stamps, and other election paraphernalia were turned over to that department, and its receipt taken for the same. The sum of \$25,000 was also taken from the appropriation for this department and transferred to the Board of Election Commissioners.

In May last a caucus was held by the Democratic party for the election of a city committee, but as the act creating this new Board did not become operative until July 1, this department furnished the ballot-boxes, printed the ballots, etc., the expense attending the same being taken out of our regular appropriation. The institution of this new method of conducting elections and caucuses has been productive of excellent results, as far as our regular department work is concerned, enabling us to give our undivided attention to the routine work of the office and more especially to the record-work.

This department being essentially one of record, should, in my opinion, have no other work to perform. As a result of the changes in the City Charter the department is on a better basis than ever before.

This department, as above stated, being one of record, is constantly being called upon for information on many subjects connected with municipal matters. My experience has been that many of our citizens make inquiries for copies of the City Charter. The Municipal Register, as compiled to-day, contains the only ready information that can be

obtained regarding the City Charter, and as only a limited number of these reach the people, it appears to me that it would be well to have the Law Department of the city make a compilation of our Charter from the time of the original Charter in 1820, with all additions and amendments up to the present date, and have it printed as a document, so that it may be within easy access of those of our citizens who wish to avail themselves of the valuable information it would contain.

It might perhaps be thought that on account of the transfer of the election-work, some reduction might be made in our clerical force. Such, however, has not been the case, as the increasing business of the office has kept all the clerks constantly employed. Below will be found in detail the amount of business transacted during the year :

NUMBER OF PAPERS RECORDED.

Mortgages, bills of sale, etc.	8,683
Assignments of wages	1,010
Married women's certificates	396
Liens on vessels	184
Fence-viewers' certificates	52
Descriptions of devices and utensils used in trade,	16

LICENSES ISSUED.

Amusements	321
For the sale of petroleum and its products	120

MINORS' LICENSES.

Newsboys	1,400
Bootblacks	68

MISCELLANEOUS.

Petitions and orders, referred by Board of Aldermen (1895)	3,513
Number of liquor-license bonds filed	1,932
Trustee writs, suits against the city, etc.	1,019
Accident notices filed	292
Number of constables' bonds filed	121
Permits to erect stables (issued)	98
Permits for bay-windows (issued)	134
Naturalization notices issued	4

RETURNS OF ELECTION EXPENDITURES.

State Election.

Number of reports filed	49
Amount expended	\$70,709 66

City Election.

Number of reports filed	42
Amount expended	\$43,514 89

The appropriation for the department for the financial year 1895-96 was \$68,000, and of this amount the sum of \$25,000 was transferred to the Board of Elections when that department was instituted.

The expenditures for the year were as follows :

Salaries	\$31,714 10
Stationery and advertising	12,524 01
Total	<u>\$44,238 11</u>

The receipts were :

Amount for recording mortgages	\$5,884 25
From amusement licenses and other sources,	1,291 18
Total	<u>\$7,175 43</u>

Respectfully submitted,

J. M. GALVIN,
City Clerk.

ANNUAL REPORT
OF THE
CITY MESSENGER DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 6 — 1896.]

CITY MESSENGER DEPARTMENT,
CITY HALL, February 1, 1896.

HON. JOSIAH QUINCY,
Mayor of the City of Boston:

SIR: In compliance with Chapter 3, Section 22, of the Revised Ordinances of 1892, I herewith submit the annual report of this department for the year ending January 31, 1896.

GENERAL WORK.

During the past year the general work performed has been the care and cleaning of the City Hall; attendance at the meetings of both branches of the City Council, the committees, and the School Board; the care, custody, delivery, and filing of all city documents, minutes, books, maps, and pamphlets of the City Council; the care of the city flag-staffs, flags, ropes, stakes, and music stands; also special work performed at the request of the Mayor, both branches of the City Council, and a number of the city departments.

MEETINGS OF THE CITY GOVERNMENT.

The total number of meetings called the past year which required attendance by this department were:

Board of Aldermen	.	.	.	.	.	.	58
Common Council	.	.	.	.	.	.	40
School Board	.	.	.	.	.	.	24
Committees	.	.	.	.	.	.	1,085

Several committee meetings were in the nature of hearings or investigations, which detained the officials connected with the department a great many hours outside of the regular office-hours, which did not include extra services on Sundays and holidays.

CITY PUBLICATIONS.

There were received and delivered the past year, documents, bound publications, etc., as follows:

Bound publications received and delivered	.	.	8,115
City documents received and partly distributed	.	.	136,200

City Council minutes received and partly distributed	57,000
Daily " Advertisers " received and delivered	8,550
Orders of business for City Council meetings received and distributed	14,700

CARRIAGE AND REFRESHMENT BILLS.

The rules of the City Council require the ordering of all carriages for the Common Council, or for joint committees, through this department, after a vote is furnished by the Clerk of the Common Council, or Clerk of Committees, authorizing their use, and 1,124 contingent bills for carriages and 1,417 contingent bills for refreshments incurred by members of the City Council were audited by this department during the year.

FLAGS, ROPES, AND STAKES.

The flag on City Hall was displayed every day during the past year, excepting Sundays.

By order of the City Council the flags were displayed on the public grounds on February 12, Lincoln's Birthday; February 22, Washington's Birthday; March 18, Evacuation Day; April 19, Patriot's Day; April 27, Grant's Birthday; May 30, Memorial Day; June 14, Anniversary of the adoption of the Stars and Stripes as the American Ensign; June 17, Bunker-Hill Day; July 4, Independence Day; September 2, Labor Day; September 17, Anniversary of the Settlement of Boston; and on January 17, Franklin's Birthday.

During the Christian Endeavor Convention in this city, July 11, 12, 13, 15, the flags were displayed each day on the Common and Public Garden; also during the week of the Knights Templar Conclave in this city, August 26-31, inclusive, the flags were displayed on all city flag-staffs. At the present time the entire eighteen flag-staffs are in good condition, located as follows:

Belmont square.	Maverick square.
Boston Common.	Meeting-House Hill.
Central square.	Orchard park.
City Hall.	Public Garden.
City square.	Sullivan square.
Independence square.	Thomas park.
Jamaica Plain.	Union park.
Lewis park.	Washington park.
Massachusetts avenue.	Wilson square.

The ropes and stakes were used to great advantage at fires on several occasions; they were also used in the Charlestown District, June 17, by order of the Board of Aldermen, for the purpose of closing to public travel a large number of streets for the convenience of the military and other processions; on July 4 they were in use on Boston Common, for restraining the crowds at the several games and displays; also at the Marine park, for the athletic games and fireworks display, and at Franklin park for the bicycle races and fireworks exhibition.

On August 27 it was necessary to rope off seventy-three points in the line of the Masonic parade.

On Labor Day they were used for closing certain streets at the request of the Police Department, and in front of City Hall for the Labor-Day parade.

In addition to the above, the ropes and stakes were used six times, at the request of the Mayor, for military or other organizations, on Boston Common and other localities.

DISTINGUISHED GUESTS.

The care of the city's guests — a duty that this department is frequently called upon to perform — required attention the past year for the comfort and convenience of distinguished persons or delegations from the cities of London, Paris, Dublin, Trenton, Kansas City, Philadelphia, Lowell, Gloucester, Washington, Salt Lake City, Cambridge, Brooklyn, Hartford, and Worcester; also the officers of the North Atlantic Naval Squadron.

PUBLIC CELEBRATIONS.

The Seventeenth of June, Thirtieth of May, Fourth of July, and Labor Day called for the usual amount of extra services by the department at Charlestown, Boston Common, Boston Theatre, Boston harbor, and Charles river; Marine, Franklin, and Commonwealth parks, Sullivan square, and at Brighton; also the details in connection with the observation stand erected in Commonwealth avenue, for the use of the members of the City Council, heads of departments, and their families to witness the parade of the Knights Templars on August 27th last.

REVIEWS.

The department was called upon last year to arrange for fourteen reviews of military and other organizations by the Mayor, in front of City Hall.

ELECTION RETURNS.

In accordance with a vote of the City Council, arrangements were made to open the Council Chamber for the announcements of the State and City election returns to the members of the city government and press. To perform this duty required the services of about twenty-three extra clerks and messengers, six extra telephones, and four large blackboards; about twenty police officers were needed to preserve order in the building, on account of the large number of persons who always congregate in and about the building on election nights.

USE OF COUNCIL CHAMBER.

By order of the Common Council, the use of its chamber was granted to the Board of Assessors for holding their annual sessions; to the Board of Street Commissioners for public hearings; and to the State Commission on Greater Boston for five public hearings.

THANKS TENDERED.

I desire to hereby express my thanks to the Board of Police for the very valuable assistance rendered in furnishing details of police during the past year, on ordinary and special occasions.

I would also render thanks to the Superintendent of Streets for the prompt removal of snow and ice from the yard and sidewalks around City Hall during the winter months.

RECOMMENDATIONS.

I would again recommend that the dome of City Hall be made as near fireproof as possible, for if a fire should gain much headway the entire upper floors of the building would be destroyed, causing much damage and inconvenience thereby.

I would recommend that the west elevator, which is very slow, be speeded up as soon as it can be conveniently done.

The standpipes used for fire purposes in City Hall were tested twice during the past year, and found to be in good order, and the hose in good condition; and the signals in connection therewith have been frequently tested during the year.

EMPLOYEES.

The total number of persons employed, and paid from the department appropriation, including the City Messenger and two police officers who attend the meetings of the Common Council, is twenty.

There are ten police officers at present assigned to City Hall, under the direction of this department, to protect the building and preserve order therein, who receive a salary from the Police Department; the night men are required to patrol the building each hour of the night and on Sundays and holidays, in order to discover any fires or any leaks in the water and gas pipes, and are obliged to visit forty signal stations in different parts of the building during their tour of duty, the same being recorded on a watchman's clock located in this office.

RECEIPTS.

The receipts the past year were :

For sale of old paper	\$15 00
For refund of rental on private telephone line .	2 08
	<hr/>
	\$17 08

EXPENDITURES.

The expenditures from February 1, 1895, to
January 31, 1896, were \$27,347 68

FINANCIAL CONDITION.

The condition of the department appropriations at the close of the financial year of 1895 was as follows :

Amount of appropriation and transfer . .	\$27,352 00
Amount expended to January 31, 1895 .	27,347 68
	<hr/>
Balance	\$4 32

Respectfully submitted,

ALVAH H. PETERS,
City Messenger.

ANNUAL REPORT
OF THE
CLERK OF COMMITTEES DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 7 — 1896.]

CITY HALL, February 15, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In accordance with the requirements of the ordinances, I hereby present the following report of the work, etc., of this department for the financial year ending January 31, 1896.

The whole number of committees appointed for the period was 117, classified as follows:

	Standing.	Special.
Aldermanic	15	4
Common Council	3	26
Joint	45	24
	<hr/>	<hr/>
Total	63	54

The number of meetings of these committees called during the year has been 1,028. There have been upwards of 2,000 petitions and papers of various kinds referred to the committees, and about four-fifths of this number have been acted upon by the committees, and reported back to the city council.

Of the standing committees, the committees on streets and sewers of the aldermen, and the joint committees on inspection of buildings department, and claims, transacted the greatest amount of business. The number of claims considered and acted upon by the committee on claims was 307, involving the sum of \$43,155.60 in settlement. The committee on inspection of buildings department have had their labors largely increased, on account of the number of petitions for projection of business signs from buildings, etc. The committee on streets and sewers, with its several sub-committees, have had the largest amount of routine work to

do, as their work is chiefly in connection with the work of the street department and its various divisions. The committees on electric wires, railroads, licenses, and state aid have each had a large amount of work assigned them.

A number of special committees had matters of public importance referred to them for consideration, and reports, more or less elaborate, have been in most instances submitted to the city council. The committees on Memorial Day and the several public celebrations performed their duties in the customary manner, and with general satisfaction.

A special committee of the common council on municipal lighting was appointed in June. This committee devoted a great deal of time to the consideration of the subject of municipal lighting, as suggested by an act of the legislature passed in 1891. (Acts of 1891, c. 370.) They visited other cities in the country, and submitted the results of their observation and inquiry in an elaborate and interesting report presented to the common council, October 17. (Docs. of 1895, No. 173.)

A joint special committee on the subject of a new bridge over Charles river to Cambridge submitted a report in the board of aldermen, November 25, in favor of building a new bridge from Pleasant street in Boston, to Magazine street in Cambridge, at an estimated cost of \$300,000. The said bridge to be built jointly by Boston, Cambridge, and the town of Brookline, the expense to be borne proportionately.

Memorial services were held under the direction of special committees, at Music Hall, December 3, commemorating the death of ex-Governor Alexander H. Rice, and similar services were held at Faneuil Hall, December 20, commemorating the death of Frederick Douglass.

A special memorial volume, containing an account of the services commemorating the death of ex-Governor William Gaston, was prepared by the clerk, and published and distributed under the direction of the committee on printing.

LICENSED MINORS.

The number of licenses issued to minors during the year was 1,348, classified as follows: Newsboys, 1,290; boot-blacks, 58. There have been few complaints during the past year, and most of those received have been in regard to unlicensed boys whose accountability has not been definitely determined. The work of the inspector has been satisfactory on the whole, and, so far as known, the rights of the citizens have not been seriously interfered with by the boys, whether licensed or unlicensed.

The financial statement, showing the amount appropriated for the year ending January 31, 1896, and the expenditures of the department for the same period, is as follows:

Appropriation	\$12,700 00
-------------------------	-------------

EXPENDITURES.

Salaries and clerk-hire	\$10,889 57	
Other expenses	1,776 63	
	<hr/>	12,666 20
Balance unexpended		<hr/> <u>\$33 80</u>

Respectfully submitted,

JAMES L. HILLARD,
Clerk of Committees.

ANNUAL REPORT
OF THE
COLLECTING DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 8 — 1896.]

CITY HALL, BOSTON, February 1, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: I herewith present a report of the collections made in this department during the year beginning February 1, 1895, and ending January 31, 1896, and a statement of the leases, notes, bonds, mortgages, and deeds of property in custody of the collector, belonging to the city of Boston, January 31, 1896.

Respectfully,

JAMES W. RICKER,

Collector of the City of Boston and County of Suffolk.

COLLECTING DEPARTMENT — RECEIPTS.

Moneys received and credited as follows:		
Additional Supply of Water.		
From Commonwealth of Mass.		\$600,000 00
Blue Hill and other avenues.		
Sale of Old Buildings on Columbus Avenue		251 50
Building Department.		
License Fees		822 80
City Clerk Department.		
Recording Mortgages	\$5,884 25	
Amusement Licenses	1,072 00	
Petroleum Licenses	120 00	
Slaughter-House Licenses	2 00	
Naturalization Fees	2 00	
Money Found	25	
Miscellaneous	25	
		7,080 75
City Council.		
Incidentals		760 23
City Messenger Department.		
Sale of Old Paper		17 08
City of Charlestown.		
Dividend on Stock, Mystic River Corporation		1,467 00
Collecting Bank Tax.		
From State of Mass., 1 per cent. commission for collecting Bank Tax		5,942 35
Collecting Department.		
Fees on Taxes	\$14,318 59	
Fees on Paving Assessments	140 60	
Fees on Sewer Assessments	61 30	
Fees on Betterments	5 30	
Fees on Miscellaneous	35	
		14,526 14
Conscience Fund.		
Miscellaneous		336 50
Daniel Preston Lot.		
Sale of Land in Quincy		381 15
Engineering Department.		
Services		1,924 00
Fire Department.		
Powder and Fireworks Licenses	\$750 00	
Sale of Old Material, etc.	968 13	
Services	428 00	
Sale of Manure	10 00	
	\$2,156 13	
Carried forward	\$2,156 13	\$633,509 50

COLLECTING DEPARTMENT.

3.

<i>Brought forward</i>		\$2,156 13.	\$633,509 50
Fire Department. — Cont.			
Rent of Chem. Engine-House No. 2	\$150 00		
Rent of Chem. Engine-House No. 3	200 04		
		350 04	
			2,506 17
Hay Scales.			
Fees from North Scales			171 37
Health Department.			
Disinfecting		\$120 00	
Evergreen Cemetery :			
Sale of Lots	\$976 12		
Care of Lots	447 25		
Sale of Graves	60 00		
Sale of Wood	25 00		
		1,508 37	
Quarantine :			
Fees		7,835 23	
Small-pox Hospital :			
Rents		575 00	
			10,038 60
Hospital Department.			
Paying Patients		\$54,933 59	
Sale of Old Material		389 85	
Interest on Trust Funds		1,400 00	
			56,723 44
Inspection of Milk and Vinegar.			
License Fees			809 50
Institutions Department.			
Almshouse, Charlestown		\$291 18	
Boston Almshouse and Hospital		1,470 91	
Home for Paupers, Rainsford and Long Islands		88 00	
Home for Paupers, Rainsford and Long Islands		230 30	
Home for Paupers, Long Island		1,033 83	
House of Industry		57,327 12	
House of Reformation		1,037 39	
Insane Hospital, Austin Farm		2,243 73	
Insane Hospital, Pierce Farm		3,132 61	
Lunatic Hospital		6,887 11	
Marcella-Street Home		363 52	
Pauper Expenses		3,317 02	
Steamer "J. Putnam Bradlee"		61 02	
			77,483 74
Interest.			
On Taxes		\$53,967 39	
On Street Department :			
Sewer Division	\$853 01		
Paving Division	124 94		
		977 95	
			54,945 34
Lamp Department.			
Damages			41 72
Laying-Out and Construction of Highways.			
Sidewalk Assessments :			
1894-95	\$163 28		
1893-94	1,374 19		
1892-93	20,240 22		
		\$21,777 67	
Interest on ditto	8,018 39		
		\$29,796 06	
<i>Carried forward</i>		\$29,796 06	\$836,229 38

<i>Brought forward</i>		\$29,796 06	\$836,229 38
Laying-Out and Construction of Highways.—Cont.			
Sewer Assessments:			
1895-96	\$67,055 62		
1894-95	23,865 67		
1893-94	18,941 70		
1892-93	6,783 78		
	<u>\$116,646 77</u>		
Interest on ditto	9,650 38		
		126,297 15	
Construction of Batavia Street . . .	\$612 89		
Interest on ditto	362 48		
		975 37	
Construction of Bay State Road . . .	\$165 49		
Interest on ditto	12 85		
		178 34	
Construction of Miner Street	\$466 35		
Interest on ditto	573 21		
		1,039 56	
Construction of Newbury Street . . .	\$10,708 76		
Interest on ditto	847 88		
		11,556 64	
Construction of St. Germain Street . .	\$896 56		
Interest on ditto	52 56		
		949 12	
			170,792 24
Library Department.			
Interest on Trust Funds		\$10,245 50	
Fines, Sales of Catalogues, etc.		14,217 61	
			24,463 11
Liquor Licenses.			
Licenses, 1895-96			1,196,540 00
Market Department.			
Superintendent for Weighing			629 32
Mt. Hope Cemetery.			
Sale of Lots		\$4,667 25	
Fees		15,569 22	
Interest on Trust Funds		1,765 42	
			22,001 89
Mt. Hope Cemetery Trust Funds			
Perpetual Care of Lots			4,184 75
Overseeing of the Poor.			
From Overseers of the Poor, Support of Poor of other Cities and Towns		\$5,047 92	
From Commonwealth of Massachusetts, State Paupers		9,252 15	
From Commonwealth of Massachusetts, Burials and Support of Poor		2,966 54	
From Occupants of Charity Building		822 20	
Aid refunded on account City Temporary Home		130 92	
Burials		1,481 29	
Sale of Barrels		258 34	
			19,959 36
Park Department.			
Sale of Wood, Grass, Buildings, etc.	\$957 29		
Commonwealth Ave. Fund	5,000 00		
	<u>\$5,957 29</u>		
Rents	1,574 90		
		\$7,532 19	
<i>Carried forward</i>		\$7,532 19	\$2,274,900 05

<i>Brought forward</i>		\$7,532 19	\$2,274,900 05
Park Department. — Cont.			
Parkway, Dorchester :			
Betterments	\$910 86		
Interest on ditto	69 89		
		980 55	
Parkway, Old Harbor :			
Betterments	\$148 80		
		148 80	
Parkway, Muddy River :			
Betterments	\$330 00		
Interest on ditto	50 46		
		380 46	
Parkway, W. Roxbury :			
Betterments	\$756 01		
Interest on ditto	60 27		
		816 28	
			9,858 28
Pedlars.			
Licenses			4,500 00
Phillips Street Fund Income.			
Interest on Trust Funds			1,200 00
Police Charitable Fund Income.			
Interest on Trust Funds			9,056 00
Police Department.			
Licenses		\$15,799 00	
Sale of Property		325 33	
Heating Building		30 00	
			16,154 33
Printing Department.			
Sale of Stock			11,864 91
Public Buildings.			
Rents :			
Ward-rooms	\$164 00		
Curtis Hall	220 00		
Faneuil Hall	186 80		
Town Hall, Dorchester	110 00		
Armory, W. Newton St.	1,625 00		
		\$2,305 80	
Heating Old State House	\$250 00		
Sale Old Material	9 75		
		259 75	
		\$2,565 55	
Armories :			
Rents from Commonwealth of Massachusetts		12,000 00	
			14,565 55
Public Celebrations.			
Foss Flagg Fund		\$120 00	
Foss 17th of June Fund		120 00	
Babcock Music Fund		157 41	
			397 41
Public Library Trust Fund.			
Chas G. Loring Memorial Fund			500 00
Rapid Transit.			
Judgment acct., loss by fire, Canal St.			1,474 00
Registry Department.			
Marriage Licenses			200 00
<i>Carried forward</i>			\$2,344,670 53

<i>Brought forward</i>			\$2,344,670 53
Rents.			
Markets	\$84,914 20		
Old State House	10,100 00		
Rooms, Quincy Hall	406 25		
Rotunda, Quincy Hall	2,800 00		
Produce Exchange	1,800 00		
House, 94 Roxbury Street	275 00		
Stable, Charlestown	150 00		
Soley-Street Estate	212 50		
Basement Franklin School-House	100 00		
Franklin School-House	100 00		
			100,857 95
Reserved Fund.			
Sale of "Starr King" School-House Estate, Tennyson Street	\$91,533 75		
Sale School-House Estate, Walpole and Tremont Streets	18,992 70		
			110,526 45
Residue.			
From Tax Sales			1,937 57
Sales of City Property.			
Sale of Land in Quincy			743 85
Schools and School-Houses.			
Supplies and Incidentals, School Com- mittee:			
Sale of Books and Supplies	\$195 77		
Travelling, Deaf-Mutes	2,096 85		
		\$2,292 62	
School Instructors:			
Tuition, Non-residents:			
1895-96	\$7,535 18		
1894-95	10 00		
	\$7,545 18		
Tuition, Deaf-Mutes, 1895-96	10,662 51		
Dog Licenses	18,835 60		
Income from Stoughton School Fund,	212 00		
Income from Smith School Fund	384 00		
Unlicensed Dog	15 00		
		37,654 29	
Gibson School Fund Income:			
Income from Trust Funds	\$837 00		
Rents	740 00		
		1,577 00	
			41,523 91
Sealing of Weights and Measures			
Fees			5,183 64
Soldiers' Relief.			
From State of Mass. State Aid			145,215 87
State Bank Tax.			
Tax of 1895, collected by City			588,202 63
Stony Brook Improvement.			
Rent			37 00
Street Department.			
Abolishment of Grade Crossings:			
From N.Y., N.H., & H. Corpora- tion, W. Fourth Street	\$981 47		
<i>Carried forward</i>	\$981 47	\$3,338,980 40	

COLLECTING DEPARTMENT.

7

<i>Brought forward</i>		\$981 47	\$3,338,989 40
Street Department. — Cont.			
Bridge Division:			
Rents of Buildings, Charles River Bridges	\$512 50		
Rents of Land, Broadway Extension	1,000 00		
	<u>\$1,512 50</u>		
Repairs	117 90		
		\$1,630 40	
Cambridge Bridges Division:			
Wharfage, etc.		1,151 85	
Central Office:			
Forfeitures		85 00	
Ferry Division:			
Tolls, etc.	\$168,084 85		
Rents	1,500 00		
		169,584 85	
Paving Division:			
Assessments:			
1895-6	\$2,817 20		
1894-5	4,006 88		
1893-4	809 51		
	<u>\$7,633 59</u>		
Repairs to Streets:			
1894-5	18 56		
Damages:			
1895-6	150 00		
Sale of Manure, 1895-6	89 00		
		7,891 15	
Sanitary Division:			
Sale of Ashes:			
1895-6	\$244 70		
1894-5	68 60		
	<u>\$313 30</u>		
Removing Ashes:			
1895-6	\$7,169 44		
1894-5	5,968 43		
1893-4	3 00		
	<u>13,140 87</u>		
Sale of Offal:			
South Yard	\$18,243 75		
Highlands	6,863 66		
Charlestown	2,535 06		
	<u>27,442 47</u>		
Sale of Manure, 1895-6	\$787 31		
Sale of Manure, 1894-5	202 50		
	<u>989 81</u>		
Dumping-Scow Privileges, 1895-6	763 35		
		42,629 80	
Fort Hill Wharf:			
Rent		1,000 00	
Sewer Division:			
Assessments:			
1895-6	\$1,895 71		
1894-5	1,183 98		
1893-4	773 11		
1892-3	430 31		
1890-90	16 31		
	<u>\$4,299 42</u>		
Entrance Fees:			
1895-6	\$4,474 07		
Sale of old Material	1,000 00		
Labor	4 75		
	<u>5,478 82</u>		
<i>Carried forward</i>	\$9,778 24	\$224,954 52	\$3,338,989 40

<i>Brought forward</i>	\$9,778 24	\$224,954.52	\$3,338,989.40
Street Department. — Cont.			
Sewers, Brighton:			
Assessments:			
1892-3	\$15 57		
Interest on ditto	1 74		
	17 31		
Sewers, between Roslindale and West Roxbury:			
Assessments:			
1895-6	\$214 37		
1893-4	50 00		
	\$264 37		
Interest on ditto	36 66		
	301 03		
Sewers, Commonwealth Avenue, Construction:			
Assessments:			
1895-6	\$23 00		
1894-5	100 00		
	\$123 00		
Interest on ditto	14 00		
	137 00		
Sewers, Dorchester Avenue, between Crest. Ave. and Grafton St.:			
Assessments:			
1895-6	\$26 68		
Interest on ditto	4 60		
	31 28		
Sewers, Westville, Freeman, and Charles Streets:			
Assessments:			
1895-6	\$169 73		
1894-5	60 00		
1893-4	90 00		
	\$319 73		
Interest on ditto	53 50		
	373 23		
Sewers, Special:			
Assessments:			
1889-90	57 94		
		10,696 03	
Improved Sewerage:			
From State of Mass., Conveying Sewerage		24,000 00	
Street-Cleaning Division:			
Removing Dirt:			
1895-6	\$1,936 01		
1894-5	165 00		
	\$2,101 01		
Sale of old Material:			
1895-6	\$12 00		
1894-5	5 00		
	17 00		
Sale of Waste Barrels:			
1895-6	\$15 00		
Damage	2 50		
	17 50		
		2,135 51	
Watering Division:			
For Watering		1,576 62	
			263,362 68
Street Laying Out Department.			
Refund of money overdrawn for trip of Street Commissioners to other Cities	\$300 00		
<i>Carried forward</i>	\$300 00		\$3,602,362 08

<i>Brought forward</i>	\$300 00	\$3,602,352 08
Street Laying Out Department. — Cont'd.		
Public Lands:		
Rent of Wharf, Albany Street	\$500 00	
Old Repair Shop, Wareham Street . .	1,050 00	
Estate, Rutherford Avenue	12 00	
Estate, Albany Street, . .	75 00	
Great Browster Island, . .	100 00	
	<u>\$1,837 00</u>	
Instalments on Bonds . .	\$2,000 00	
Interest on ditto	388 89	
	<u>2,388 89</u>	
		\$4,525 89
Essex and Lincoln Streets:		
Betterments	\$9,157 80	
Interest on ditto	123 52	
	<u>\$9,281 32</u>	
Refund of Land Damage	50 00	
		<u>9,331 32</u>
Harrison Avenue, between Essex and Beach Streets:		
Betterments	\$7,406 75	
Interest on ditto	195 43	
		<u>7,602 18</u>
		<u>21,459 39</u>
Town of Brookline.		
Taxes		21 76

Taxes.

Assessments of 1895 :

Wards.	Polls.	Real Estate.	Personal.	Totals.
1	\$2,196 00	\$115,430 24	\$10,298 04	\$127,924 28
2	2,650 00	116,097 52	7,088 04	126,435 56
3	3,060 00	90,426 88	10,560 40	104,447 28
4	3,190 00	115,738 88	8,122 88	126,991 76
5	3,067 00	142,931 00	22,754 36	178,742 36
6	1,318 00	622,031 36	235,740 80	869,089 16
7	1,104 00	438,672 84	82,616 76	522,390 40
8	1,895 00	100,090 04	5,570 84	107,555 88
9	2,581 00	201,047 96	145,877 76	348,516 72
10	1,978 00	1,066,020 80	405,712 28	2,011,741 08
11	6,300 00	1,080,331 40	640,257 92	1,746,519 32
12	1,192 00	767,200 68	290,315 32	1,058,708 00
13	1,618 00	180,003 76	7,342 08	189,648 84
14	4,284 00	151,431 76	12,007 68	167,823 44
15	3,048 00	87,931 20	4,558 08	95,537 28
16	1,502 00	179,456 44	6,488 28	187,551 72
17	3,000 00	200,078 00	19,086 80	222,201 80
18	3,778 00	214,487 04	57,866 24	276,131 28
19	2,552 00	140,705 90	4,848 04	151,105 94
20	4,791 00	308,187 44	13,000 44	225,979 88
21	7,119 00	321,254 84	80,364 86	418,807 70
22	5,028 00	454,596 48	70,761 68	500,386 16
23	0,292 00	318,017 68	111,544 82	439,854 50
24	9,596 00	267,443 46	67,437 48	474,276 94
25	3,630 00	197,126 90	34,805 36	235,672 26
Totals . .	\$92,793 00	\$8,417,342 38	\$2,309,798 11	\$10,819,933 49

Total \$10,819,933 49

Assessments, 1894 :

Polls	\$31,883 00
Real Estate	926,410 02
Personal	90,551 93
	<u>1,048,844 95</u>

Carried forward \$11,868,778 44

\$3,623,833 23

<i>Brought forward</i>	\$11,868,778 44		\$3,623,833 23
Taxes — Continued.			
Assessments, 1893:			
Polls	\$391 00		
Real Estate	5,809 44		
Personal	1,105 24		
		7,305 68	
Assessments, 1892:			
Polls	\$76 00		
Real Estate	696 60		
Personal	147 94		
		920 54	
Assessments, 1891:			
Polls	\$10 00		
Real Estate	2 52		
		12 52	
National Bank Tax, 1895		\$11,877,017 18	
		164,997 02	
Corporation Tax from State:			
1895	\$861,360 49		
1894	24,043 04		
		885,403 53	
Corporation Bank Tax from State:			
1895		21,694 91	
Ships engaged in foreign trade		2,422 45	
			12,951,535 09
<i>Carried forward</i>			\$16,575,368 32

<i>Brought forward</i>				\$16,575,368 32
Water Department.				
COCHITUATE DIVISION.				
From Water-rates, 1896	\$117,691 68			
From Water-rates, 1895	1,599,251 24			
From Water-rates, 1894	24,959 11			
From Water-rates, 1893	1,390 79			
From Water-rates, 1892	9 80			
		\$1,743,292 62		
Fees		2,108 19		
Miscellaneous:				
Difference cost of laying pipes	\$1,210 35			
Service pipes and repairs	21,867 83			
Off and on water for repairs	2,377 12			
Off and on water for non-pay- ment	1,860 00			
Sale of manure	12 50			
Sale of old material	10,118 60			
Labor	4,028 52			
Board of horse	312 00			
Sale of water	408 90			
Rents, water-posts	728 66			
Rents, fire-pipes	3,512 49			
Elevator and stand-pipes	2,016 22			
Tax refunded	20 00			
Sale of buildings, etc.	3,499 00			
Interest on deposits	102 31			
		52,074 50		
Rents		2,999 00		
			\$1,800,474 31	
MYSTIC DIVISION.				
Water rates:				
Charlestown, 1896	\$8,067 49			
Charlestown, 1895	133,655 59			
Charlestown, 1894	1,149 23			
		\$142,872 31		
Chelsea, 1896	\$5,637 43			
Chelsea, 1895	91,770 78			
Chelsea, 1894	349 61			
		97,757 77		
Somerville, 1896	\$11,271 45			
Somerville, 1895	165,223 94			
Somerville, 1894	805 43			
		177,300 82		
Everett, 1896	\$3,315 32			
Everett, 1895	46,769 88			
Everett, 1894	599 04			
		50,684 24		
Miscellaneous:				
Fees	\$470 68			
Off and on water for non-pay- ment	512 00			
Off and on water for repairs	502 50			
Labor, etc.	225 60			
Sale of old material, etc.	1,207 39			
Service-pipes and repairs	825 10			
Rents, water-posts	29 23			
Rents, fire-pipes	107 74			
		3,880 24		
			472,493 38	
				2,272,969 09
Wire Department.				
Sale of dead wire				5 00
Paid to City Treasurer				\$18,848,343 01

Collecting Department — Receipts of County of Suffolk.

Money received as follows :		
From Sheriff.		
Fines Criminal Court	\$26,149 54	
Jail Fines	5,227 60	
Board of U.S. prisoners	551 95	
Sale of gaming fixtures	437 87	
Sale of old material	124 10	
Board of poor debtors	149 75	
		\$32,640 81
From Clerk of Supreme Judicial Court.		
Fees		3,829 00
From Clerk of Superior Criminal Court.		
Forfeitures	\$500 00	
Fees	142 05	
		642 05
From Clerk of Superior Court, Civil Session.		
Fees		19,456 27
From Clerk of Municipal Court, West Roxbury.		
Fines and costs		2,020 06
From Justice of Municipal Court, Brighton.		
Fines and costs		1,350 54
From Clerk of Municipal Court, South Boston.		
Fines and costs		4,960 50
From Clerk of Municipal Court, Charlestown.		
Fines and costs		4,296 02
From Clerk of East Boston District Court.		
Fines and costs		3,063 57
From Clerk of Municipal Court, Dorchester.		
Fines and costs		2,812 00
From Clerk of Municipal Court, Roxbury.		
Fines and costs		9,616 37
From Clerk of Municipal Court, Criminal Session.		
Fines and costs	\$40,849 60	
Forfeitures	698 00	
		41,547 60
From Clerk of Municipal Court, Civil Session.		
Fees		18,361 55
From Master of House of Correction.		
Fines and costs	\$1,654 70	
Labor and sale of material	21,796 61	
		23,451 31
From Superintendent of House of Industry.		
Fines and costs		9,551 04
From Clerk of Police Court, Chelsea.		
Fines and costs		302 00
Peddlers' licenses		468 00
Naturalization fees		116 00
Fire Marshal (from State)		5,963 98
Medical Examination		18 00
From Superintendent House of Reformation.		
Fines and costs		30 00
From Registrar of Deeds.		
Fees		7,414 50
Paid to County Treasurer		\$191,911 17
Total Receipts.		
City of Boston		\$18,848,343 01
County of Suffolk		191,911 17
		\$19,040,254 18

COLLECTING DEPARTMENT.

Dr.	General Summary, Year 1895-6.		Cr.
To Balance from year 1894-95	\$3,654,062 50	By Amounts cash paid to City Treasurer, Feb. 1, 1895, to Jan. 31, 1896	\$19,040,254 18
" New accounts committed Feb. 1, 1895, to Jan. 31, 1896	15,366,595 51	" Abatements on bills from Feb. 1, 1895, to Jan. 31, 1896	344,411 50
" Additional bills on account of earlier years committed during the current year	933,652 37	" Balance uncollected to new account, 1896-7	3,956,492 66
" Amount of cash deposited Feb. 1, 1895, to Jan. 31, 1896	3,386,847 96		
	\$23,341,158 34		\$23,341,158 34

1895-6.

Assessments on Bills committed from February 1, 1895, to January 31, 1896, and Amounts Collected, Abated, and Uncollected upon the Respective Amounts.

	Committed.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Abolishment of Grade Crossing	\$981 47		\$981 47	
Building Department	1,041 51		822 80	\$218 71
County of Suffolk, House of Correction	21,822 61		21,796 61	26 00
Daniel Preston Lot	381 15		381 15	
Engineering Department	1,924 00		1,924 00	
Essex and Lincoln Streets	50 00		50 00	
Fire Department	1,911 43		1,791 09	120 34
Health Department	120 00		120 00	
Quarantine	7,835 23		7,835 23	
Institutions Department:				
Almshouse, Charlestown	481 97	\$10 71	158 39	312 87
Boston Almshouse and Hospital	2,117 98	2 50	1,470 91	644 57
Home for Paupers, Long Island	457 22		452 12	5 10
Home for Paupers, Rainsford Island	151 59	131 34	20 25	
House of Industry	63,338 68	5,384 76	55,046 38	2,907 54
House of Reformation	1,176 33		1,037 39	138 94
Insane Hospital, Austin Farm	3,939 94		2,243 73	1,696 21
Insane Hospital, Pierce Farm	4,543 78	276 14	3,132 61	1,135 03
Lunatic Hospital	6,684 95	245 57	5,391 78	1,047 60
Marcella-Street Home	265 88		264 38	1 50
Pauper Expenses	5,304 13	156 99	2,866 21	2,281 93
Lamp Department	41 72		41 72	
Park Department	5,957 29		5,957 29	
Public Buildings	259 75		259 75	
<i>Carried forward</i>	\$130,788 61	\$6,207 01	\$114,045 26	\$10,536 34

	Committed.	Abated.	Collected.	Uncollected Jan. 31, 1896.
<i>Brought forward</i>	\$130,788 61	\$6,207 01	\$114,045 26	\$10,536 34
Rent Department	128,103 69	204 00	125,190 52	2,709 17
Sale of City Property	743 85		743 85	
School Committee:				
Supplies and Incidentals	2,292 62		2,292 62	
School Instructors	37,947 83	283 25	37,644 29	20 29
Street Department:				
Bridge Division	231 39	27 42	117 90	86 07
Cambridge Bridges Division	1,151 85		1,151 85	
Ferry Division	87,519 85		87,414 85	105 00
Sanitary Division	43,228 57	301 02	36,353 37	6,574 18
Paving Division	8,614 54		2,340 35	6,274 19
Central Office	85 00		85 00	
Street-Cleaning Division	6,526 76	61 50	1,965 51	4,499 75
Sewer Division	8,499 26		7,374 53	1,124 73
Sewers, Dorchester Ave. bet. Crescent Ave. and Grafton St.	26 68		26 68	
Sewers, Commonwealth ave., construction	46 00		23 00	23 00
Sewers, Brighton	80 76			80 76
Sewers, Westville, Freeman, and Charles Sts.	169 73		169 73	
Sewers between Roslindale and West Roxbury	214 37		214 37	
Improved Sewerage	24,000 00		24,000 00	
Laying Out and Construction of Highways:				
Sewer Assessments	204,198 99	1,513 27	67,055 62	135,630 10
Construction of St. Germain St.	9,315 69		896 56	8,419 13
“ Newbury St.	20,094 99		10,708 76	9,386 23
“ Joy St.	14,060 28			14,060 28
“ Montford St.	6,057 50			6,057 50
“ Arundel St.	3,718 43			3,718 43
Watering Streets Division	4,438 64		972 10	3,466 54
Police Department	30 00		30 00	
Reserved Fund	110,526 45		110,526 45	
Street Laying-Out Dept.	300 00		300 00	
Rapid Transit	1,474 00		1,474 00	
Water Department:				
Cochituate Division:				
Water Rates, 1896	1,027,639 10	3,263 58	117,691 68	906,683 84
Miscellaneous	55,629 49	2,107 30	47,639 51	5,882 68
Mystic Division:				
Water Rates, Charlestown, 1896	82,979 57	13 00	8,067 49	74,899 08
Water Rates, Chelsea, 1896	79,663 12	19 82	5,637 43	74,005 87
Water Rates, Somerville, 1896	143,782 80	41 75	11,271 45	132,469 60
Water Rates, Everett, 1896	48,679 24	15 42	3,315 32	45,348 50
Miscellaneous	2,838 85		2,694 07	144 78
Taxes, 1895	12,309 220 80	85,441 10	10,819,933 49	1,403,846 21
Bank Taxes, City	164,997 02		164,997 02	
State	588,292 63		588,292 63	
Commission	5,942 35		5,942 35	
Ships engaged in foreign trade	2,422 45		2,422 45	
Town of Brookline	21 76		21 76	
	\$15,366,595 51	\$99,499 44	\$12,411,043 82	\$2,856,052 25

Balances of 1894-5 Accounts.

	Balances Uncollected Jan. 31, 1895, and additional.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Betterments	\$225,114 00	\$35,959 42	\$18,231 22	\$170,923 36
County of Suffolk, House of Cor- rection	8 25			8 25
Fire Department	365 04		365 04	
Institutions Department:				
Almshouse, Charlestown	175 08		132 79	42 29
House of Industry	2,640 38	404 58	2,171 24	64 56
Lunatic Hospital	3,307 30		1,468 47	1,838 83
Home for Paupers, Rainsford Island	148 20		148 20	
Home for Paupers, Long Island, Marcella-St. Home	1,285 29	437 27	566 71	281 31
Pauper Expenses	91 43		65 72	25 71
Steamer "J. Putnam Bradlee," Rent Department	4,950 47		450 81	4,499 66
School Instructors	61 02		61 02	
Street Department:	2,258 67	76 00	2,073 67	109 00
Sanitary Division	149 85	139 85	10 00	
Paving Division	8,779 89	768 97	6,273 43	1,737 49
Street-Cleaning Division	6,213 73	1,337 76	4,741 29	134 68
Sewer Division	6,932 65		170 00	6,762 65
Sewers, Westville, Freeman, and Charles Sts.	1,223 38		1,183 98	39 40
Laying-Out and Construction of Highways:	60 00		60 00	
Sidewalk Assessments	735 45		163 26	572 19
Sewer Assessments	106,991 80	298 01	23,865 67	82,828 12
Construction of Bay State Road	165 49		165 49	
" Miner St.	8,785 54		466 35	8,319 19
Watering Division	604 52		604 52	
Taxes, 1894 and additional	1,234,076 49	13,210 30	1,048,844 95	172,021 24
Water Department:				
Cochituate Division:				
Water-rates, 1895, and addi- tional	1,668,459 14	23,586 63	1,599,251 24	45,621 27
Miscellaneous	3,410 63	35 25	2,465 97	909 41
Mystic Division:				
Water-rates, Charlestown, 1895, and additional	136,834 49	1,770 24	133,655 59	1,399 66
Water-rates, Chelsea, 1895, and additional	94,146 13	2,255 35	91,770 73	120 05
Water-rates, Somerville, 1895, and additional	172,395 53	3,131 04	165,223 94	4,040 55
Water-rates, Everett, 1895, and additional	48,723 48	1,872 50	46,769 88	81 10
Miscellaneous Bills	103 67		103 67	
	\$3,739,196 99	\$85,292 17	\$3,151,524 85	\$502,379 97

Balances of 1893-4 Accounts.

	Balances Uncollected Jan. 31, 1895, and additional.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Building Department	\$113 85			\$113 85
Institutions Department:				
House of Industry	420 73	\$55 72	\$92 36	272 65
Lunatic Hospital	1,454 40		9 00	1,445 40
Home for Paupers, Rainsford and Long Islands	193 29	115 71	86	76 72
Home for Paupers, Rainsford Island	61 85		61 85	
Home for Paupers, Long Island Marcella-Street Home	251 97	155 01	15 00	81 96
Pauper Expenses	137 71		33 42	104 29
Rent Department	1,262 88			1,262 88
School Instructors	491 09		25 00	466 00
Street Department:	67 84	15 34		52 50
Sanitary Division	314 50		3 00	311 50
Paving Division	1,030 52		809 51	221 01
Street-Cleaning Division	1,736 81			1,736 81
Sewer Division	1,487 68		773 11	714 57
Sewers, Commonwealth Ave. Construction	100 00		100 00	
Sewers, Westville, Freeman, and Charles Sts.	90 00		90 00	
Sewers between Roslindale and West Roxbury	50 00		50 00	
Laying-Out and Construction of Highways:				
Sidewalk Assessments	7,264 58		1,374 19	5,890 39
Sewer Assessments	61,471 36		18,941 70	42,529 66
Construction of Batavia St.	15,662 65		612 89	15,049 76
Taxes, 1893 and additional	175,689 07	219 03	7,305 68	168,164 36
Water Department:				
Cochituate Division:				
Water-rates, 1894	45,262 80	5,328 84	24,959 11	14,974 85
Miscellaneous	172 04		109 02	63 02
Mystic Division:				
Water - rates, Charlestown, 1894 and additional	1,975 50	826 27	1,149 23	
Water-rates, Chelsea, 1894	1,529 45	1,179 84	349 61	
Water-rates, Somerville, 1894 and additional	2,373 65	1,568 22	805 43	
Water-rates, Everett, 1894	1,356 34	757 30	599 04	
Miscellaneous	129 68		99 82	29 86
	\$322,152 15	\$10,221 28	\$58,368 83	\$253,562 04

COLLECTING DEPARTMENT.

17

Balances of 1892-3 Accounts.

	Balances Uncollected Jan. 31, 1895, and additional.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Betterments	\$16,233 00	\$1,339 20	\$478 80	\$14,415 00
Building Department	82 12			82 12
Health Department	7,310 75			7,310 75
Institutions Department:				
House of Industry	188 25	71	10 00	177 54
Lunatic Hospital	1,943 29			1,943 29
Home for Paupers, Rainsford and Long Islands	443 40	57		442 83
Marcella St. Home	686 29			686 29
Pauper Expenses	1,115 33			1,115 33
Rent Department	633 00			633 00
Street Department:				
Sanitary Division	441 24			441 24
Paving Division	18 35			18 35
Street-Cleaning Division	6,946 50			6,946 50
Sewer Division	790 26		430 31	359 95
Sewers, Brighton	50 40		15 57	34 83
Laying Out and Construction of Highways:				
Sidewalk Assessments	104,167 43		20,240 22	83,927 21
Sewer Assessments	36,973 84	277 65	6,783 78	29,912 41
Taxes, 1892, and additional	153,186 44	593 24	920 54	151,672 66
Water Department:				
Cochituate Division:				
Water-rates, 1893	20,014 73	18,633 94	1,380 79	
Miscellaneous	271 18			271 18
	\$351,495 80	\$20,845 31	\$30,260 01	\$300,390 48

Balances of 1891-2 Accounts.

	Balances Uncollected Jan. 31, 1895, and additional.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Building Department	\$35 00			\$35 00
Institutions Department:				
House of Industry	2,491 19			2,491 19
Lunatic Hospital	2,328 46	\$720 00		1,608 46
Home for Paupers, Rainsford and Long Islands	348 00		\$35 14	312 86
Marcella-St. Home	30 00			30 00
Pauper Expenses	321 28			321 28
Rent Department	260 00			260 00
Street Department:				
Sanitary Division	85 60			85 60
Paving Division	287 40			287 40
Street-Cleaning Division	30 00			30 00
Sewer Division	12 00			12 00
Taxes, 1891, and additional	127,530 00	127,486 50	12 52	30 98
Water Department:				
Cochituate Division:				
Water-rates, 1892	314 60	304 80	9 80	
Miscellaneous	6 79			6 79
	\$134,080 32	\$128,511 30	\$57 46	\$5,511 56

Balances of 1890-1 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Water Department.				
Cochituate Division:				
Miscellaneous	\$29 66	. . . . .	. . . . .	\$29 66
Fire Department	414 00	. . . . .	. . . . .	414 00
Building Department	2,683 00	. . . . .	. . . . .	2,683 00
Institutions Department:				
Almshouse, Charlestown	1,043 14	. . . . .	. . . . .	1,043 14
Home for Paupers, Rainsford and Long Islands	1,130 78	\$42 00	\$19 14	1,069 64
House of Industry	15 71	. . . . .	7 14	8 57
Lunatic Hospital	337 75	. . . . .	. . . . .	337 75
Pauper Expenses	2,160 61	. . . . .	. . . . .	2,160 61
Rent Department	175 00	. . . . .	. . . . .	175 00
Street Department:				
Bridge Division	40 97	. . . . .	. . . . .	40 97
Sanitary Division	241 85	. . . . .	. . . . .	241 85
Sewer Division	25 00	. . . . .	. . . . .	25 00
Taxes, 1890	23 94	. . . . .	. . . . .	23 94
	\$8,321 41	\$42 00	\$26 28	\$8,253 13

Balances of 1889-90 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Fire Department	\$378 00	. . . . .	. . . . .	\$378 00
Hospital Department	34 28	. . . . .	. . . . .	34 28
Building Department	82 99	. . . . .	. . . . .	82 99
Institutions Department:				
Home for Paupers, Rainsford and Long Islands	32 86	. . . . .	\$32 86	
House of Industry	74 42	. . . . .	. . . . .	74 42
Lunatic Hospital	222 76	. . . . .	17 86	204 90
Pauper Expenses	203 25	. . . . .	. . . . .	206 25
Rent Department	100 00	. . . . .	. . . . .	100 00
Street Department:				
Sanitary Division	77 60	. . . . .	. . . . .	77 60
Sewer Division	61 31	. . . . .	16 31	45 00
" Special	250 63	. . . . .	57 94	192 69
" Roxbury	7,170 66	. . . . .	. . . . .	7,170 66
	\$8,641 76	. . . . .	\$124 97	\$8,516 79

Balances of 1888-9 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Bonds, Public Lands	\$755 00	. . . . .	. . . . .	\$755 00
Institutions Department:				
Lunatic Hospital	150 25	. . . . .	. . . . .	150 25
Pauper Expenses	1,759 70	. . . . .	. . . . .	1,759 70
Rent Department	183 75	. . . . .	. . . . .	183 75
Street Department:				
Paving Division	33 27	. . . . .	. . . . .	33 27
Sanitary Division	39 80	. . . . .	. . . . .	39 80
Sewer Division	217 59	. . . . .	. . . . .	217 59
Sewers, Ashmont	479 15	. . . . .	. . . . .	479 15
" Brighton	579 74	. . . . .	. . . . .	579 74
	\$4,198 25	. . . . .	. . . . .	\$4,198 25

Balances of 1887-8 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Bonds, Public Lands	\$2,000 00	. . . . .	\$2,000 00	
Institutions Department, Pauper Expenses	760 50	. . . . .	. . . . .	\$760 50
Rent Department	526 67	. . . . .	. . . . .	526 67
	\$3,287 17	. . . . .	\$2,000 00	\$1,287 17

Balances of 1886-7 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Improved Sewerage	\$275 00	. . . . .	. . . . .	\$275 00
Lamp Department	15 00	. . . . .	. . . . .	15 00
Rent Department	245 00	. . . . .	. . . . .	245 00
Street Department:				
Bridge Division	273 57	. . . . .	. . . . .	273 57
	\$808 57	. . . . .	. . . . .	\$808 57

Balances of 1885-6 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Building Department	\$60 50	. . . . .	. . . . .	\$60 50
Rent Department	580 00	. . . . .	. . . . .	580 00
Street Department:				
Sanitary Division	32 30	. . . . .	. . . . .	32 30
Taxes, 1885	1 28	. . . . .	. . . . .	1 28
	\$674 08	. . . . .	. . . . .	\$674 08

Balances of 1884-5 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Bonds, Public Lands	\$36 00	. . . . .	. . . . .	\$36 00
Street Department:				
Sanitary Division	5 20	. . . . .	. . . . .	5 20
Sewer Division	150 00	. . . . .	. . . . .	150 00
	\$191 20	. . . . .	. . . . .	\$191 20

Balances of 1883-4 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Street Department:				
Sanitary Division	\$51 30	. . . . .	. . . . .	\$51 30
Taxes, 1883	701 80	. . . . .	. . . . .	701 80
	\$753 10	. . . . .	. . . . .	\$753 10

Balances of 1882-3 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Street Department:				
Sanitary Division	\$1,026 34	. . . . .	. . . . .	\$1,026 34
Sewer Division	52 10	. . . . .	. . . . .	52 10
Taxes, 1882	650 81	. . . . .	. . . . .	650 81
	\$1,729 25	. . . . .	. . . . .	\$1,729 25

Balances of 1881-2 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Street Department:				
Sanitary Division	\$860 15	. . . . .	. . . . .	\$860 15
Taxes, 1881	25 13	. . . . .	. . . . .	25 13
	\$885 28	. . . . .	. . . . .	\$885 28

Balances of 1880-1 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Taxes, 1880	\$147 03	. . . . .	. . . . .	\$147 03
	\$147 03	. . . . .	. . . . .	\$147 03

Balances of 1879-80 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Betterments	\$1,069 00	. . . . .	. . . . .	\$1,069 00
Taxes, 1879	105 29	. . . . .	. . . . .	105 29
	\$1,174 29	. . . . .	. . . . .	\$1,174 29

Balances of 1878-9 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Taxes, 1878	\$86 40	. . . . .	. . . . .	\$86 40

Balances of 1877-8 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Street Department:				
Sewer Division	\$127 41	. . . . .	. . . . .	\$127 41
Taxes, 1877	18 62	. . . . .	. . . . .	18 62
	\$146 03	. . . . .	. . . . .	\$146 03

Balances of 1876-7 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Street Department:				
Sewer Division	\$6,189 77	. . . . .	. . . . .	\$6,189 77
Taxes, 1876	149 97	. . . . .	. . . . .	149 97
	\$6,339 74	. . . . .	. . . . .	\$6,339 74

Balances of 1875-6 Accounts.

	Balances Uncollected Jan. 31, 1895.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Street Department:				
Sewer Division	\$1,110 95	. . . . .	. . . . .	\$1,110 95
Taxes, 1875	2,295 10	. . . . .	. . . . .	2,295 10
	\$3,406 05	. . . . .	. . . . .	\$3,406 05

RECAPITULATION.

	Balance Out- standing Jan. 31, 1895, and Accounts com- mitted from Feb. 1, 1895, to Jan. 31, 1896.	Abated.	Collected.	Uncollected Jan. 31, 1896.
Betterments	\$242,416 00	\$37,298 62	\$18,710 02	\$186,407 36
Bonds:				
Public Lands	2,791 00		2,000 00	791 00
Miscellaneous	37,165 31		25,391 77	11,773 54
Institutions Department . . .	144,525 53	8,138 58	99,280 35	37,106 60
Rent Department	133,556 78	280 00	127,289 19	5,987 59
Reserved Fund	110,526 45		110,526 45	
School Instructors	38,165 52	438 44	37,654 29	72 79
Street Department:				
Bridge Division	545 93	27 42	117 90	400 61
Cambridge Bridges Division .	1,151 85		1,151 85	
Central Office	85 00		85 00	
Ferry Division	87,519 85		87,414 85	105 00
Laying-Out and Construction of Highways:				
Sidewalk Assessments . . .	112,167 46		21,777 67	90,389 79
Sewer Assessments	409,635 99	2,088 93	116,646 77	290,900 29
Construction of Arundel Street	3,718 43			3,718 43
Construction of Batavia Street	15,662 65		612 89	15,049 76
Construction of Bay State Road	165 49		165 49	
Construction of Joy Street .	14,060 28			14,060 28
Construction of Miner Street	8,785 54		466 35	8,319 19
Construction of Montford Street	6,057 50			6,057 50
Construction of Newbury Street	20,094 99		10,708 76	9,386 23
Construction of St. Ger- main Street	9,315 69		896 56	8,419 13
Paving Division	16,197 81	1,337 76	7,891 15	6,968 90
Sanitary Division	55,184 34	1,069 99	42,629 80	11,484 55
Sewer Division	29,314 83		10,585 53	18,729 30
Improved Sewerage	24,000 00		24,000 00	
Street-Cleaning Division . .	22,172 72	61 50	2,135 51	19,975 71
Watering Division	5,043 16		1,576 62	3,466 54
Taxes	14,763,140 17	226,950 17	12,636,249 18	1,899,940 82
Ships engaged in Foreign Trade	2,422 45		2,422 45	
Water Department:				
Cochituate Division:				
Water-rates	2,761,690 37	51,117 79	1,743,292 62	967,279 96
Miscellaneous	59,519 79	2,142 55	50,214 50	7,162 74
Mystic Division:				
Water-rates	814,439 30	13,459 75	468,615 14	332,364 41
Miscellaneous	3,072 20		2,897 56	174 64
	\$19,954,310 38	\$344,411 50	\$15,653,408 22	\$3,956,492 66

The collection of a portion of the betterment and sewer assessments above reported as unpaid is delayed by suits brought against the city for reduction of the assessments. The cases now pending amount to —

Betterments	\$107,219 33
Sewers	990 02
And there are sewer assessments exempt, held in abeyance and postponed until entry has been made, amounting to	14,715 90

Total	<u>\$122,925 25</u>
-----------------	---------------------

The residue from sales of real estate for unpaid taxes remaining in the custody of the Collector is	<u>\$1,902 92</u>
--	-------------------

Table A. — Showing all Outstanding Taxes.

Outstanding taxes for 1875-6	\$2,295 10
Outstanding taxes for 1876-7	149 97
Outstanding taxes for 1877-8	18 62
Outstanding taxes for 1878-9	86 40
Outstanding taxes for 1879-80	105 29
Outstanding taxes for 1880-1	147 03
Outstanding taxes for 1881-2	25 13
Outstanding taxes for 1882-3	650 81
Outstanding taxes for 1883-4	701 80
Outstanding taxes for 1885-6	1 28
Outstanding taxes for 1890-1	23 94
Outstanding taxes for 1891-2	30 98
Outstanding taxes for 1892-3	151,672 66
Outstanding taxes for 1893-4	168,164 36
Outstanding taxes for 1894-5	172,021 24
Outstanding taxes for 1895-6	1,403,846 21
Total outstanding	<u>\$1,899,940 82</u>

The following is an exhibit of the total uncollected taxes of the city, dating from its establishment, in 1822, to January 31, 1895:

Poll-taxes, most of which are uncollectible	\$625,546 00
Taxes on property, real and personal, uncollectible	11,872 92
Taxes on which claims have been proven in insolvency	7,109 60
Amount of taxes estimated as collectible	<u>1,255,412 30</u>

Total amount of taxes uncollected January 31, 1896	<u>\$1,899,940 82</u>
--	-----------------------

The assessment of taxes to defray the expenses of the City of Boston and County of Suffolk for the year ending January 31, 1896, less the revenue to be received from other sources, also to pay the State Tax levied on the City of Boston, 1895, was:

Tax assessments, 1895, including supplementary bills	\$12,309,220 80
Bank tax, 1895	164,997 02

Total assessments	<u>\$12,474,217 82</u>
-----------------------------	------------------------

Collections to January 31, 1896, inclusive	\$10,819,933 49
Bank tax received	164,997 02
Abatements	85,441 10
Outstanding	1,403,846 21

	<u>\$12,474,217 82</u>
--	------------------------

Total collections:

Account of 1895 taxes	\$10,819,933 49
Account of bank tax, 1895	164,997 02
Account of 1894 and previous years	1,057,083 69

	<u>\$12,042,014 20</u>
--	------------------------

Expenditures.

Appropriation	\$93,000 00
Salaries	\$75,680 99
Other department expenses	17,012 73
Balance	306 28

	<u>\$93,000 00</u>	<u>\$93,000 00</u>
--	--------------------	--------------------

Table B. — Showing Percentages of Taxes Collected, Abated, and Uncollected, not including Bank Tax.

YEARS.	Per cent. Collected.	Per cent. Abated.	Per cent. Uncollected.
1875-6 to January 31, 1876	83.77	1.02	15.21
1876-7 to January 31, 1877	84.23	1.09	14.68
1877-8 to January 31, 1878	85.71	1.11	13.18
1878-9 to January 31, 1879	85.12	1.20	13.68
1879-80 to January 31, 1880	85.81	1.08	13.11
1880-1 to January 31, 1881	86.87	0.90	12.23
1881-2 to January 31, 1882	87.30	0.69	12.01
1882-3 to January 31, 1883	86.64	0.82	12.54
1883-4 to January 31, 1884	87.52	0.98	11.50
1884-5 to January 31, 1885	87.17	0.89	11.94
1885-6 to January 31, 1886	88.46	1.00	10.54
1886-7 to January 31, 1887	88.66	0.81	10.53
1887-8 to January 31, 1888	87.82	0.75	11.43
1888-9 to January 31, 1889	89.26	0.72	10.02
1889-90 to January 31, 1890	88.71	0.79	10.50
1890-1 to January 31, 1891	88.12	0.72	11.16
1891-2 to January 31, 1892	88.88	0.72	10.40
1892-3 to January 31, 1893	90.11	0.83	9.06
1893-4 to January 31, 1894	88.10	0.87	11.03
1894-5 to January 31, 1895	88.93	0.79	10.28
1895-6 to January 31, 1896	87.90	0.69	11.41

Table C. — Statement showing the Amounts received from Licenses from February 1, 1895, to January 31, 1896.

Liquor ¹	\$1,196,640 00
Dogs	18,835 60
Wagons	5,089 00
Peddlers	4,968 00
Hackney carriages	1,523 00
Junk collector	548 00
Junk-shop keeper	530 00
Marriage intentions	200 00
Pawnbrokers	3,580 00
Amusement	1,072 00
Pool and sippio tables	1,456 00
Intelligence offices	670 00
Milk and vinegar	809 50
Powder and fireworks	760 00
Second-hand articles	610 00
Second-hand clothing	240 00
Street-railway drivers and conductors	366 50
Billiard tables	340 00
Auctioneers	468 00
Itinerant musicians	114 50
Bowling-alleys, skating-rinks, etc.	224 00
Private detectives	40 00
Petroleum	120 00
Slaughter-house	2 00
	\$1,239,196 10

¹ One-fourth paid to the State.

Table D.—Statement showing the amounts that have been Assessed for State, City, and County Taxes from 1875 to 1895, both inclusive, and the amounts collected, abated, and remaining uncollected thereon to January 31, 1896.

Years.	Collected.	Per cent. Collected.	Abated.	Per cent. Abated.	Uncollected.	Per cent. Unpaid.	Amounts Assessed.
1875	\$10,510,749 16	97.28	\$291,447 38	2.70	\$2,296 10	0.02	\$10,801,491 64
1876	9,224,502 17	97.441	242,101 81	2.557	149 9.	0.002	9,466,843 95
1877	8,717,553 99	97.295	242,396 41	2.705	18 62	. . .	8,959,969 02
1878	7,859,403 47	97.418	208,194 16	2.581	86 40	0.001	8,067,684 03
1879	7,483,281 30	97.485	192,965 12	2.514	105 29	0.001	7,676,351 71
1880	9,473,723 65	97.912	201,804 05	2.086	147 03	0.002	9,675,674 73
1881	9,041,973 82	98.035	181,218 28	1.965	25 13	. . .	9,223,217 28
1882	9,898,203 70	97.819	220,016 28	2.174	650 81	0.007	10,118,870 79
1883	9,661,926 40	97.89	226,918 56	2.10	701 80	0.01	9,889,546 85
1884	11,323,784 29	97.85	248,732 26	2.15	. . . . .	. . .	11,572,516 55
1885	8,588,127 65	97.41	228,269 96	2.59	1 28	. . .	8,816,398 89
1886	8,864,747 47	97.72	206,498 50	2.28	. . . . .	. . .	9,071,245 97
1887	9,848,595 33	97.90	211,712 44	2.10	. . . . .	. . .	10,060,307 77
1888	10,106,876 80	97.97	209,764 60	2.03	. . . . .	. . .	10,316,661 40
1889	10,076,455 31	97.60	247,303 76	2.40	. . . . .	. . .	10,323,759 07
1890	10,772,481 13	97.94	227,155 64	2.06	23 94	. . .	10,999,660 71
1891	10,637,518 79	97.94	223,795 86	2.06	30 98	. . .	10,861,345 63
1892	11,372,921 41	97.56	132,276 71	1.14	151,672 06	1.30	11,656,870 78
1893	11,645,555 55	97.53	126,330 33	1.06	168,164 36	1.41	11,940,050 24
1894	11,721,075 46	97.67	106,629 39	0.90	172,021 24	1.43	12,000,726 00
1895	10,819,913 49	87.90	85,441 10	0.69	1,403,846 21	11.41	12,309,220 80
	\$207,649,480 43	. . . .	\$4,291 992 51	. . . .	\$1,899,940 82	. . . .	\$213,811,413 76

The Collecting office, as a separate department, was first established in 1875. Before that time the City Treasurer was collector of taxes.

**Statement of Leases, Notes, Bonds, and Mortgages, owned by the
City of Boston, in the Custody of the City Collector.**

GENERAL SUMMARY.

Departments.		Annual Rent.
Street Department :		
Bridge Division	As per Schedule 1	\$1,350 00
Sanitary Division	" " 2	1,000 00
Laying Out Streets, Department of	" " 6	1,350 00
Market Department	" " 3 and 4	83,507 20
Public Buildings, Department of	" " 5	17,000 00
Total		\$104,207 20

Street Department. — Bridge Division. — Leases. Schedule 1.

Property.	Lessee.	Annual Rent.	Expiration of Lease.
Land under Broadway Bridge	Boston and Albany Railroad Co	\$1,000 00	Nov. 1, 1896.
Building on Charles-river Bridge	Alvano T. Nickerson	100 00	Feb. 29, 1896.
Building on Charles-river Bridge	Antonio Granara . .	100 00	Jan. 1, 1899.
Building on Charles-river Bridge	Louis Repetto	100 00	Jan. 1, 1899.
Building on Charles-river Bridge	Patrick J. Calnan . .	50 00	Jan. 1, 1899.
Total		\$1,350 00	

Street Department. — Sanitary Division. Schedule 2.

Property.	Lessee.	Annual Rent.	Expiration of Lease.
Part of Fort Hill Wharf . .	H. E. Woodward . .	\$1,000 00	Jan. 1, 1897.
Total		\$1,000 00	

Market Department. — Leases. Schedule 3.

No. of Stall.	No. of Cellar.	Occupant.	Annual Rent.
	1	Bryant & Seates	\$592 00
	1½	Hilton & Wentworth	424 80
	2	Charles R. Corwin	824 80
	2	Frank W. Dyer	452 00
	3	George A. Sawyer	500 00
	3	J. Parker Lawrence	364 00
	4	Geo. M. D. Legg	1,257 60
	5	G. M. D. Legg	1,219 20
	6	G. M. D. & W. E. A. Legg	720 00
	9	Samuel S. Learnard	300 00
	12	H. W. Gleason	422 40
	13 }	Charles E. Morrison	1,243 20
	14 }		
	13	C. J. Hatch	480 00
	15	Harris S. Bean	396 00
	16	Edwin I. Morrison	552 00
	17	Chas. E. Morrison	384 00
	19	Edmund W. Gleason	516 00
	20	Blanchard, Bisco, & Blanchard	280 00
	21	J. M. & J. J. Sullivan	500 00
	21	Lord & Spencer	600 00
1-3		Benjamin Johnson	612 00
2-4	1	L. M. Dyer	874 40
5-7		Hilton & Woodward	612 00
6-8		James M. Hilton	612 00
9-11		Wm. H. Prior	612 00
10-12-14-16		Henry L. Lawrence	1,226 40
13-15		J. Parker Lawrence	612 00
17-19		Geo. H. Russell	463 20
18-20		Swan & Newton	684 00
22		Mills & Deering	343 20
21-23-25		John P. Squire	1,147 20
24		Edwin F. Deering	343 20
26		David M. Oliver	463 20
27-29		Fred F. Squire	804 00
28		Geo. R. Flint	463 20
30		J. Parker Lawrence	343 20
31		John A. Rollins	343 20
32	6	H. A. & W. H. Hovey, and Edwin A. Harris	686 40
33-35		Olney Robbins	684 00
34-36		Frank O. Squire	804 00
37-39	7	James A. Hathaway	1,324 00
38-40	7	Sturtevant & Haley Beef and Supply Co.	1,104 00
41-43	8	Waters & Litchfield	1,032 80
42-44	8	Horatio Locke	900 00
45		Otis Simonds	463 20
46-48	8	H. L. & J. P. Lawrence	1,142 40
47	9	Lyman F. Abbott	800 00
49		William C. Hall	342 00
51		William H. Jones	342 00
50-52	10	S. S. Learnard	1,608 00
53-55		William H. Jones	463 20
54		Samuel S. Learnard	342 00
56-58		Samuel H. Wilkins	685 20
57-59	11	Crosby Brothers	1,212 00
60		Samuel H. Wilkins	343 20
61-63	11	Gass & Doe	1,639 20
62-64	11	Clarence M. Ryder	1,014 00
65-67		S. F. Woodbridge	804 00
65-68-70-72	11½-12	J. V. Fletcher	1,980 00
69-71	12	Jas. D. Prindle	948 00
74-76		Benton & Jackson	684 00
73-75		Geo. H. Dunning	460 80
77		James H. Dillaway	343 20

Market Department. — Leases. Schedule 3. — Concluded.

No. of Stall.	No. of Cellar.	Occupant.	Annual Rent.
78-80	14	Reynolds & Haley	\$967 20
79		Otis Simonds	340 80
81		Niles Brothers	463 20
82	14	Niles Brothers	700 80
83-85	15	Davis Chapin Co.	1,284 00
84-86		Albert H. Bird	804 00
87		Henry A. Brown	342 00
89		Joseph F. Hilton	342 00
88-90	16	Ransom F. Evans	1,032 00
91	16	Wm. W. Palmer	535 20
92		Jacob Fottler	343 23
93-95	17	Hill & Craig	1,200 00
94-96-98		Henry B. Goodnough	1,027 20
97-99-101	12	E. F., I. H., & C. B. Locke	1,675 20
100	18	Hall & Cole	535 20
102	18	Stacy Hall	655 20
103-105-107-109		W. E. & C. W. Smith	1,490 40
104-106	19	Curtis, Lawrence, & Miller	1,188 00
108-110	20	William W. Kimball	943 20
111-112		A. V. Peabody	451 20
113-115	21	Rich & Matthews	844 00
117-119			
114-116			
118-120		F. H. Johnson	708 00
and 1/2 of 122			
121-123	22	Elbridge F. Andrews	472 00
125-127	22	William Prior	864 00
129-131			
124-126-128			
130-132 and 1/2 of 122	22	Edward B. Newton	1,320 00

Market Department.—Leases. Schedule 4.

No. of Stall.	No. of Cellar.	Occupant.	Annual Rent.
	1	Amos G. Patch	\$480 00
	4-5	Charles W. Lowell	1,483 20
	6	S. F. Woodbridge	576 00
	10	Chas. E. Morrison	768 00
	11	Wilcox & Jackson	367 20
1	2	Harrison Swan	559 20
2		Geo. H. Philbrook	451 20
3-5		Joshua Thorndike	710 40
4		Wilcox & Jackson	324 00
6		Arthur Treat Company	324 00
7	3	George N. Gleason	715 20
8		George H. Valpey	319 20
9		Eugene M. Niles	355 20
10		Nathan A. Fitch	324 00
11	3	William A. Jackson	876 00
12		H. P. Morrison	336 00
13		John P. & Frank O. Squire	540 00
14		H. P. Morrison	336 00
15		Geo. D. Brown	379 00
16	6	G. M., G. F., & C. M. Austin	523 20
17		H. B. Goodenough	475 20
18		G. M., C. M., & G. F. Austin	367 20
19-34		Dole & Bailey	725 00
20	7	S. Everett Hyde	1,104 00
21-23		I. E. Noyes	648 00
24	8	H. L. Lawrence	876 00
25		Niles Brothers	319 20
26	8	Jos. A. Treat	470 40
27		E. M. Niles	480 00
28	9	Lewis C. Thayer	708 00
31	9	Niles & Onthank	708 00
32		Albert H. Bird	583 20

RECAPITULATION.

Rents from Stalls and Cellars in Faneuil Hall Market, under Quincy Hall	\$65,296 00
Rents from Stalls and Cellars under Faneuil Hall	18,211 20
Total	\$83,507 20

Department of Public Buildings. -- Leases. Schedule 5.

Property.	Location.	Annual Rent.	Expiration of Lease.
Old State House	Room fronting on Washington Street, to Chicago, Milwaukee, & St. Paul R.R. Company	\$3,500 00	Jan. 1, 1897.
	Room fronting on Washington Street, to Old Colony Steamboat Company	3,500 00	Jan. 1, 1897.
	Basement, to Mutual District Messenger Company	3,000 00	Jan. 1, 1897.
	Second Floor, to Bostonian Society	100 00	Dec. 14, 1901.
Quincy Hall	Rotunda, etc., to Ames Plow Company	2,800 00	Feb. 1, 1897.
"	Rooms East of Rotunda, to Boston Fruit and Produce Exchange	1,800 00	June 1, 1897.
Armory, West Newton Street	Armory, to James A. Blake	2,300 00	Jan. 1, 1897.
Total		\$17,000 00	

Department for Laying Out Streets. Schedule 6.

Lots.	Street.	Lessee.	Annual Rent.	Length of Lease.
Land	Off Swett	Lamont G. Burnham	\$300 00	5 years from Nov. 1, 1894.
Old Repair Shop	Wareham	Edward Marley & Bro.	1,050 00	5 years from May 1, 1892.
Total . . . . .	. . . . .	. . . . .	\$1,350 00	. . . . .

SCHEDULE OF BONDS AND NOTES.

Public-Land Bonds.

No.	Name.	Amount of Bond.	Balance Due Jan. 31, 1896.	Date of Expiration.
2543	Etta M. Ruggles	\$179 38	\$36 00	Jan. 6, 1893.
2556	James Keenan	1,518 00	755 00	May 21, 1896.
	Totals	\$1,697 38	\$791 00	

Deeds Held by the City January 31, 1895, under Sale for Unpaid Assessments.

	Name to whom assessed.	Assessments.	Estate.	Amount of Assessments.
1 . . .	Wilder Harding heirs	Sewer . .	East side Granite ave.	\$340 27
2 . . .	Wilder Harding heirs	Sewer . .	East side Granite ave.	138 88
3 . . .	George B. Swasey	axes . .	East side Centre st. .	6 30
	Totals . . . . .	. . . . .	. . . . .	\$485 45

ANNUAL REPORT
OF THE
ELECTION DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 9 — 1896.]

BOSTON, January 21, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In compliance with legal requirement, the Board of Election Commissioners respectfully submits its annual report for 1895.

The Board of Election Commissioners was established by chapter 449 of the Acts of 1895, which created a department of elections of the city of Boston. All matters pertaining to the conduct of caucuses and elections were placed under its control, and it was invested with all the powers and authority over these matters which had been previously exercised by the Mayor, the Board of Aldermen, and the City Clerk. It also succeeded to all the powers and duties of the Board of Registrars of Voters and to certain of the duties of the Superintendent of Public Buildings, in addition to which it was, with the Chief Justice of the Municipal Court, constituted the Boston Ballot Law Commission, which thus united to its other functions of an executive and administrative character those of a judicial tribunal. Its membership is bi-partisan.

This act which thus consolidated all the departments of the election machinery, and placed upon the Board the discharge of duties so manifold and responsible, went into effect on July 1 last, on which day the Board met and organized; but it was not until the early part of August that the alterations of the rooms in the old court-house which had been appropriated to the use of the Board had been so far completed as to admit of their occupation. The vault in the office of the Clerk of the Supreme Court was fitted up for the reception of the books and records of the registration department, which had long been in need of such accommodations, and the corresponding vault in the office of the Clerk of the Superior Court was, as far as possible, made fire and burglar proof, thus providing a safe and convenient receptacle for the keeping and preservation of ballots. The cells in the basement room underneath were removed, and the room itself was so altered and renovated as to form an excellent repository for the ballot-boxes and other election apparatus. So much time was required for completing all these necessary changes that the fall was well advanced before the Board

could be said to be settled in its new quarters and to be in readiness for the caucus and election work.

Seven caucuses and two elections furnished abundant occupation for the Board during the remainder of the year. The details of this work were numerous and exacting, but the results were so entirely satisfactory, so far as the Board has been able to judge, as to fully justify the wisdom and utility of the change from former methods. The Board does not, however, in making this statement, desire to be understood as criticising such methods or the individuals by whom the same have been applied in the past, but, on the contrary, to gratefully acknowledge the ready and invaluable assistance and co-operation which were at all times extended by the officials formerly charged with the execution of the details of this work.

The numerous recounts of the ballots cast at these caucuses and at the State and municipal elections were made by an experienced body of assistants under the supervision of the Board, and were speedily and fairly conducted, without the reproach of partisanship, and to the satisfaction of the contestants in every instance. In this particular also the usefulness and necessity of such a Board were clearly demonstrated. In most of these cases the recount showed no material change from the original returns. The work of the caucus and precinct officers, except in one flagrant, and, it is to be hoped, not to be repeated instance, was well and correctly done; and the Board would suggest that legislation further restricting the right of petition for the recount of caucus and election returns be adopted.

In view of the number of cases presented to the Ballot Law Commission in former years, the Board felt apprehensive that it might be straitened for time in preparing for the municipal election, but fortunately the ante-election controversies this fall were not numerous. The principal ones were based upon an alleged fraudulent count at a caucus and upon objections to the filing of a certain nomination paper, but in each case the evidence clearly showed that the charges were without foundation. The Chief Justice of the Municipal Court presided at the hearings, and the conclusions of the commission were reached by unanimous vote.

At the time when the Board assumed the charge of the voting-booths and their furniture they were stored in several different parts of the city, at a rental which seemed larger than was necessary, and an effort was accordingly made to find some place of storage sufficient for the reception of all the election paraphernalia. Such a place was finally found in the large repair-shop and car-stable of the West

End Street Railway Company, on East Fourth street, of which a three-years' lease has been taken at a greatly reduced rental. Here all the voting-booths, with the exception of two which are stored in Brighton, without expense, all the stoves, lamps, furniture, and other precinct fittings are assembled under one roof and systematically and conveniently arranged. The building is high-studded, so that the parts of each booth can be piled in one place and in a manner to save breakage and injury, while there is ample space for setting up and repairing any of the booths that may be in want of repairs, as most of them are. The necessity of painting the booths has long been so painfully apparent as to need no comment, and the Board has included a sum for that purpose in its estimate for the coming year.

It might naturally be expected that the consolidation of the work of several departments under one head would have resulted not only in increased efficiency of administration, but also in a reduction of expense. Certain economies have indeed been applied with satisfactory results and others are under consideration, but it is difficult to retrench where charges have become established by orders of the City Council or by long-followed custom. Election officers are paid eight dollars and ten dollars a day, and, in view of their important and responsible duties, this Board is not prepared to say that these figures should be reduced. Assistant registrars of voters are given four dollars a day, and the price of carriages for use at caucuses and on election days has become almost a fixed tariff. The same condition of affairs applies in the case of other classes of persons whose employment is rendered necessary in order to efficiently carry on the work of the Board in its various branches. The new general registration required by statute to be made during the current year is a work of great magnitude; involving the personal registration of from seventy-five to ninety thousand people, and will entail a very large expenditure, even though it should be conducted on a restricted basis, which the Board does not, however, recommend, believing that the requirements of the law and the reasonable demands of the voting population will render something approaching precinct registration desirable if not indispensable. It may therefore fairly be said that the Board has not yet had a full opportunity of demonstrating in what directions or to what extent material reductions in expense can be made, but it is hoped and believed that as the work of the department becomes better understood and arranged satisfactory results in this important particular will be attained.

In closing, the Board would recommend that legislation

should be directed towards consolidating and simplifying present caucus laws, and also that some change be made in the general laws relating to registration in order to enable the Board to more effectively follow the statute requiring a new general registration.

The expenditures of the department (including the amount expended by the Board of Registrars of Voters to July 1, 1895) for the financial year ending January 31, 1896, are as follows :

REGISTRARS OF VOTERS DEPARTMENT, TO JULY 1, 1895.

Salaries of Registrars	\$4,500 00	
Assistant Registrars, regular	5,331 00	
Assistant Registrars, temporary	2,088 00	
Assessors' Clerks, preparing list of polls	2,839 52	
Printing	236 07	
Stationery	152 25	
Advertising	74 30	
Incidentals	514 30	
	<hr/>	\$15,735 44

BOARD OF ELECTION COMMISSIONERS, TO JANUARY 31, 1896.

Salaries of Commissioners	\$7,250 00	
Salaries, Secretary, Deputy, Mes- senger, and Assistant Registrars, regular	8,486 25	
Salaries, Assistant Registrars, tem- porary	12,586 50	
Salaries, Assistant Registrars, out- side ward registration	5,412 00	
Salaries, Precinct Officers, two elections	22,363 00	
Printing for elections, caucuses, and office	11,335 76	
Assessors' Clerks, preparing list of polls	424 24	
Advertising for registration, elec- tions, etc.	2,935 74	
	<hr/>	
<i>Amounts carried forward,</i>	\$70,793 15	\$15,735 44

ELECTION DEPARTMENT.

5

<i>Amounts brought forward,</i>	\$70,793 15	\$15,735 44
Stationery for elections, caucuses, and office	2,310 71	
Carriages for caucuses and elec- tions	4,260 28	
Janitors, care of ward-rooms and voting-places	4,704 34	
Lighting, heating, etc., ward- rooms and voting-places	1,229 40	
Fitting up ward-rooms and voting- places, and repairing furniture .	4,837 79	
Erection and repair of booths .	3,341 55	
Teaming furniture for voting-places, etc.	2,567 50	
Rent of storehouses for booths and furniture	1,428 34	
Rent of ward-rooms	1,825 00	
Rent of stores for elections . . .	1,836 50	
Rent of land for booths	260 00	
Printing 300 precinct maps, new ward lines	1,314 95	
Posting voting-lists, maps, etc. .	1,099 28	
Incidentals	1,835 02	
	<hr/>	103,644 15
Total		<hr/> <u>\$119,379 59</u>

The following pages show in tabulated form the population of the city by precincts (census of 1895), the number of assessed polls, registered voters and votes cast in this city at the State and municipal elections of 1895.

Respectfully submitted,

LINUS E. PEARSON,
JAMES J. COSTELLO,
GEORGE B. BILLINGS,
LEWIS G. FARMER,

Board of Election Commissioners.

TABULATED STATEMENT .
OF
POPULATION, ASSESSED POLLS, REGISTERED
VOTERS, AND VOTES CAST AT STATE
AND MUNICIPAL ELECTIONS,
1895.

**Population of Boston, by Wards and Precincts, State
Census, 1895.**

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	2,814	1,905	1,534	2,436	2,048	2,595	3,532	3,018	3,939
2....	2,542	1,867	2,214	2,197	2,047	2,307	5,600	.....	.....
3....	1,781	2,370	1,912	2,837	2,506	2,537	.....	.....	.....
4....	2,361	1,909	2,273	2,264	2,658	1,910	.....	.....	.....
5....	1,626	1,730	2,474	1,460	2,699	2,997	.....	.....	.....
6....	3,210	4,038	3,151	3,945	3,850	.....	.....	.....	.....
7....	2,149	2,557	2,888	2,230	3,141	.....	.....	.....	.....
8....	1,676	1,578	2,976	2,836	3,192	1,732	.....	.....	.....
9....	2,456	2,135	2,036	2,532	2,698	.....	.....	.....	.....
10....	1,648	1,770	850	1,615	.....	.....	.....	.....	.....
11....	2,335	2,239	2,024	2,125	2,204	1,803	1,457	2,538	2,512
12....	1,496	1,773	2,085	2,971	2,423	.....	.....	.....	.....
13....	1,459	3,133	2,282	2,407	2,263	2,345	2,139	2,183	2,295
14....	2,391	2,877	2,572	2,855	2,270	2,333	2,238	2,057	2,350
15....	2,369	2,265	2,232	1,873	2,013	2,713	2,359	3,677	.....
16....	3,220	2,784	2,408	2,308	2,993	2,630	.....	.....	.....
17....	2,170	1,937	2,115	1,725	2,258	2,363	2,263	1,884	.....
18....	2,023	2,247	2,537	2,030	2,209	2,626	4,053	.....	.....
19....	1 871	1,403	2,647	2,911	3,023	2,780	3,130	2,708	2,149
20....	3,490	2,041	1,825	1,557	2,162	2,575	2,218	2,626	2,105
21....	1,622	2,435	1,717	2,311	2,520	3,034	1,674	1,706	2,294
22....	3,908	2,255	1,972	2,202	2,051	2,675	2,364	3,316	1,932
23....	3,451	2,878	2,616	1,553	2,697	1,403	1,972	2,266	2,894
24....	3,067	2,507	2,408	2,444	2,528	1,645	1,755	1,976	1,796
25....	3,259	2,240	2,834	2,431	2,181	2,056	.....	.....	.....
Total.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

**Population of Boston, by Wards and Precincts, State
Census, 1895.**

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
.....	.....	.....	.....	.....	.....	.....	23,821	..... 1
.....	.....	.....	.....	.....	.....	.....	18,774	..... 2
.....	.....	.....	.....	.....	.....	.....	13,943	..... 3
.....	.....	.....	.....	.....	.....	.....	13,375	..... 4
.....	.....	.....	.....	.....	.....	.....	12,986	..... 5
.....	.....	.....	.....	.....	.....	.....	18,194	..... 6
.....	.....	.....	.....	.....	.....	.....	12,965	..... 7
.....	.....	.....	.....	.....	.....	.....	13,990	..... 8
.....	.....	.....	.....	.....	.....	.....	11,857	..... 9
.....	.....	.....	.....	.....	.....	.....	5,883	..... 10
3,024	3,468	.....	.....	.....	.....	.....	25,729	..... 11
.....	.....	.....	.....	.....	.....	.....	10,748	..... 12
.....	.....	.....	.....	.....	.....	.....	20,506	..... 13
1,652	2,139	2,172	.....	.....	.....	.....	27,906	..... 14
.....	.....	.....	.....	.....	.....	.....	19,501	..... 15
.....	.....	.....	.....	.....	.....	.....	16,343	..... 16
.....	.....	.....	.....	.....	.....	.....	16,715	..... 17
.....	.....	.....	.....	.....	.....	.....	17,725	..... 18
.....	.....	.....	.....	.....	.....	.....	22,622	..... 19
2,472	1,943	2,639	2,608	.....	.....	.....	30,261	..... 20
2,428	2,767	3,856	.....	.....	.....	.....	28,364	..... 21
3,337	.....	.....	.....	.....	.....	.....	26,012	..... 22
2,771	2,925	1,955	2,264	1,116	.....	.....	32,761	..... 23
3,886	1,680	2,294	4,637	2,840	3,176	2,299	40,938	..... 24
.....	.....	.....	.....	.....	.....	.....	15,001	..... 25
.....	.....	.....	.....	.....	.....	.....	496,920	

Assessed Polls, State Election, 1895.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	752	621	463	735	615	742	918	807	1,019
2 ..	788	623	854	736	684	677	969	.....	.....
3 ..	610	702	609	788	732	679	.....	.....	.....
4....	653	634	664	697	717	667	.....	.....	.....
5....	665	686	801	523	874	732	.....	.....	.....
6....	786	929	752	825	869	.....	.....	.....	.....
7....	560	690	803	695	953	.....	.....	.....	.....
8....	677	570	772	759	972	711	.....	.....	.....
9....	754	775	763	848	749	.....	.....	.....	.....
10....	710	1,003	869	661	.....	.....	.....	.....	.....
11....	449	462	512	413	1,050	1,026	529	820	863
12....	464	588	568	968	889	.....	.....	.....	.....
13....	450	952	819	834	669	706	699	620	704
14....	469	815	790	653	732	665	642	709	687
15....	589	551	634	553	584	699	627	1,065	.....
16....	1,001	1,122	868	1,020	914	805	.....	.....	.....
17....	607	584	710	569	674	715	761	455	.....
18....	574	659	673	617	733	792	754	.....	.....
19....	704	434	863	769	983	1,019	847	837	674
20....	994	564	550	519	624	663	597	711	544
21....	484	754	480	649	663	800	542	432	640
22....	1,023	644	657	565	557	690	689	732	527
23....	898	806	719	501	780	366	503	618	801
24....	842	681	640	864	781	471	577	639	509
25....	1,001	733	825	694	747	665	.....	.....	.....
Total..	.....	.....	.....	.....	.....	.....	.....	.....	.....

Assessed Polls, State Election, 1895.

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
.....	.....	.....	.....	.....	.....	.....	6,672	..... 1
.....	.....	.....	.....	.....	.....	.....	5,331	..... 2
.....	.....	.....	.....	.....	.....	.....	4,120	..... 3
.....	.....	.....	.....	.....	.....	.....	4,032	..... 4
.....	.....	.....	.....	.....	.....	.....	4,281	..... 5
.....	.....	.....	.....	.....	.....	.....	4,161	..... 6
.....	.....	.....	.....	.....	.....	.....	3,701	..... 7
.....	.....	.....	.....	.....	.....	.....	4,461	..... 8
.....	.....	.....	.....	.....	.....	.....	3,889	..... 9
.....	.....	.....	.....	.....	.....	.....	2,743	..... 10
739	978	.....	.....	.....	.....	.....	7,841	..... 11
.....	.....	.....	.....	.....	.....	.....	3,477	..... 12
.....	.....	.....	.....	.....	.....	.....	6,453	..... 13
552	598	598	.....	.....	.....	.....	7,910	..... 14
.....	.....	.....	.....	.....	.....	.....	5,302	..... 15
.....	.....	.....	.....	.....	.....	.....	5,730	..... 16
.....	.....	.....	.....	.....	.....	.....	5,075	..... 17
.....	.....	.....	.....	.....	.....	.....	4,802	..... 18
.....	.....	.....	.....	.....	.....	.....	7,130	..... 19
710	553	777	764	.....	.....	.....	8,570	..... 20
793	751	923	.....	.....	.....	.....	7,911	..... 21
870	.....	.....	.....	.....	.....	.....	6,954	..... 22
549	712	625	642	288	.....	.....	8,908	..... 23
1,084	524	612	1,278	801	854	611	11,768	..... 24
.....	.....	.....	.....	.....	.....	.....	4,665	..... 25
.....	.....	.....	.....	.....	.....	.....	145,887	

Registered Voters (men) at State Election, Nov. 5, 1895.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	416	409	354	510	428	498	533	490	673
2....	468	365	539	414	390	421	544	.....	.....
3....	472	526	472	522	534	466	.....	.....	.....
4....	477	435	494	466	439	345	.....	.....	.....
5....	472	520	469	334	549	420	.....	.....	.....
6....	406	404	357	380	333	.....	.....	.....	.....
7....	285	262	252	290	331	.....	.....	.....	.....
8....	297	342	404	305	388	351	.....	.....	.....
9....	463	437	420	492	375	.....	.....	.....	.....
10....	389	393	245	300	.....	.....	.....	.....	.....
11....	373	356	396	323	412	477	277	442	473
12....	257	327	322	413	340	.....	.....	.....	.....
13....	182	349	382	447	364	395	397	318	352
14 ...	368	453	437	458	455	426	435	500	447
15....	342	375	436	380	448	439	367	686	.....
16....	426	397	392	477	372	412	.....	.....	.....
17....	359	402	377	335	391	416	360	296	.....
18....	382	458	444	384	429	453	433	.....	.....
19....	366	233	407	396	452	477	450	501	350
20....	525	379	348	398	389	391	447	452	319
21....	335	480	365	412	485	571	385	354	436
22....	616	314	319	333	319	434	412	501	328
23....	517	475	515	338	555	281	368	430	581
24....	594	483	437	567	457	336	364	467	352
25....	612	510	604	434	547	478	.....	.....	.....
Total ..	.....	.....	.....	.....	.....	.....	.....	.....	.....

Average per cent. of men assessed who registered, 60.01.

Registered Voters (men) at State Election, Nov. 5, 1895.

PRECINCTS.							Totals.	Per cent. as- sessed polls registered by Wards.	Wards.
10.	11.	12.	13.	14.	15.	16.			
.....	.....	.....	.....	.....	.....	.....	4,311	64.61	.... 1
.....	.....	.....	.....	.....	.....	.....	3,141	58.92	.... 2
.....	.....	.....	.....	.....	.....	.....	2,992	72.62	.... 3
.....	.....	.....	.....	.....	.....	.....	2,656	65.87	.... 4
.....	.....	.....	.....	.....	.....	.....	2,764	64.56	.... 5
.....	.....	.....	.....	.....	.....	.....	1,880	45.18	.... 6
.....	.....	.....	.....	.....	.....	.....	1,420	38.37	.... 7
.....	.....	.....	.....	.....	.....	.....	2,087	46.78	.... 8
.....	.....	.....	.....	.....	.....	.....	2,187	56.24	.... 9
.....	.....	.....	.....	.....	.....	.....	1,327	48.38	.... 10
503	586	.....	.....	.....	.....	.....	4,618	58.90	.... 11
.....	.....	.....	.....	.....	.....	.....	1,659	47.71	.... 12
.....	.....	.....	.....	.....	.....	.....	3,186	49.37	.... 13
396	404	412	.....	.....	.....	.....	5,191	65.63	.... 14
.....	.....	.....	.....	.....	.....	.....	3,473	65.50	.... 15
.....	.....	.....	.....	.....	.....	.....	2,476	43.21	.... 16
.....	.....	.....	.....	.....	.....	.....	2,936	57.85	.... 17
.....	.....	.....	.....	.....	.....	.....	2,983	62.12	.... 18
.....	.....	.....	.....	.....	.....	.....	3,632	50.94	.... 19
472	397	556	564	.....	.....	.....	5,637	65.78	.... 20
577	540	648	.....	.....	.....	.....	5,588	70.64	.... 21
541	.....	.....	.....	.....	.....	.....	4,117	59.20	.... 22
423	474	413	467	195	.....	.....	6,032	67.71	.... 23
779	382	425	793	598	616	425	8,075	68.62	.... 24
.....	.....	.....	.....	.....	.....	.....	3,185	68.27	.... 25
.....	.....	.....	.....	.....	.....	.....	87,553		

Number of Votes cast for Governor at State Election, 1895.

Wards.	PRECINCTS.																			
	1.					2.					3.					4.				
	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.
1 ...	3	40	2	3	247	5	231	5	2	67	1	249	6	..	51	2	316	4	..	67
2 ...	6	79	..	3	260	3	87	..	..	182	2	116	1	2	202	3	87	2	1	211
3 ...	4	238	8	1	91	7	152	4	6	207	1	165	12	2	212	6	69	1	2	303
4 ...	4	84	4	5	271	11	213	6	1	94	4	250	5	2	137	3	151	1	3	222
5 ...	5	234	7	..	111	5	157	3	1	248	3	33	..	4	306	6	106	3	1	148
6 ...	..	38	..	..	271	1	68	1	7	250	8	33	..	1	251	..	54	..	..	214
7 ...	5	22	2	1	167	3	31	2	6	158	4	85	2	1	89	3	41	1	..	180
8 ...	5	102	6	7	111	6	83	1	3	184	2	68	1	10	243	1	55	..	9	177
9 ...	3	215	7	..	129	6	228	4	2	73	6	196	4	4	68	4	238	10	2	110
10 ...	7	241	12	3	62	3	223	7	4	91	2	148	6	..	44	5	107	1	5	112
11 ...	..	200	1	..	65	..	213	..	..	42	..	219	..	..	63	1	194	4	..	41
12 ...	5	25	1	1	168	4	35	3	2	208	5	37	1	8	208	5	107	3	9	190
13 ...	5	15	..	3	118	17	20	..	..	222	4	23	1	3	246	7	50	1	3	274
14 ...	4	70	5	..	187	6	77	1	3	261	4	42	1	5	301	2	150	4	3	202
15 ...	1	34	..	2	223	6	45	..	6	245	3	114	1	3	217	4	136	3	1	162
16 ...	7	114	4	18	181	8	141	7	8	111	5	82	3	7	204	3	158	7	7	190
17 ...	4	209	3	2	50	..	262	9	1	68	3	198	9	6	84	4	179	5	3	70
18 ...	6	209	4	3	53	3	278	7	2	70	6	265	7	3	79	7	201	6	1	92
19 ...	5	82	7	7	174	4	41	4	4	123	5	114	2	4	172	6	131	5	4	121
20 ...	1	91	2	5	286	7	55	..	2	223	4	125	3	1	141	2	184	1	1	147
21 ...	4	185	4	1	70	2	177	10	1	162	2	203	6	4	62	5	128	4	8	173
22 ...	2	299	4	1	95	5	103	2	3	105	2	69	..	8	146	3	44	..	6	199
23 ...	4	198	5	19	167	8	186	4	12	146	6	201	6	7	191	8	206	7	..	53
24 ...	11	294	8	..	142	1	252	2	1	107	1	200	5	..	119	4	203	5	1	203
25 ...	2	310	4	3	150	6	346	9	..	59	3	246	7	1	202	6	76	4	2	255
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Proportion of men registered who voted for Governor, 76.43 per cent.

Number of Votes cast for Governor at State Election, 1895. —
Continued on pages 16 and 17.

PRECINCTS.																					Wards.				
6.					7.					8.					9.					10.					
Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.		Greenhalge.	Kendall.	Ruther.	Williams.
7 233	3 ..	120	2 156	2 ..	223	4 153	6 1 198	6 258	..	3 243	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
4 60	..	2 236	3 171	2 2 239	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
2 35	1 3 296	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
5 144	3 2 102	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
2 122	1 2 181	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7
6 26	1 8 276	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10
4 162	3 4 168	1 146	4 ..	48	8 248	14 ..	46	6 262	7 1 60	7 281	3 ..	64	..	..	..	..	..	..	..	..	..	..	..	..	11
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12
7 49	..	5 220	6 53	1 2 229	4 44	2 2 189	5 24	..	5 239	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
3 177	12 3 143	2 188	6 8 135	3 225	5 3 165	6 112	1 6 219	4 90	5 4 199	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14
7 113	5 10 215	4 101	2 7 159	4 209	2 6 322	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15
4 49	1 7 270	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16
9 76	4 1 243	4 142	7 3 113	3 55	3 2 174	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17
3 143	1 3 200	6 139	6 1 211	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18
4 170	6 4 151	2 127	4 1 224	5 121	2 6 255	4 82	4 5 171	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19
7 62	..	4 232	3 187	3 1 188	5 112	1 1 257	1 82	6 ..	155	1 268	9 ..	99	..	..	..	..	..	..	..	..	..	..	..	..	20
5 215	8 1 191	2 232	7 ..	58	2 221	7 ..	48	3 195	9 2 131	6 307	10 2 140	..	..	..	..	..	..	..	..	..	..	..	..	..	21
3 45	2 2 288	7 87	2 2 228	5 139	1 4 259	1 77	4 7 164	1 204	4 9 218	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22
1 171	7 ..	49	5 186	5 1 89	2 77	1 2 253	5 229	3 4 211	4 118	6 4 171	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23
.. 170	3 ..	71	6 165	3 1 109	1 208	8 3 131	2 188	15 1 88	6 409	3 2 162	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24
221	5 1 167	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25
..

**Number of Votes cast for Governor at State Election,
1895. — Continued from pages 14 and 15.**

Wards.	PRECINCTS.																			
	11.					12.					13.					14.				
	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11	10	276	8	1	117															
12																				
13																				
14	2	155	3	3	145	5	173	7	3	146										
15																				
16																				
17																				
18																				
19																				
20	4	260	7		51	6	267	9	1	153	6	155	2	4	313					
21	1	338	6		88	1	314	7		153										
22																				
23	8	181	7	14	141	6	225	10	3	53	4	276	5		85	1	53	1	4	89
24	3	181	12		105	9	210	8		82	6	405	0	1	173	8	333	10	2	101
25																				
Totals																				

**Number of Votes cast for Governor at State Election,
1895. — *Concluded.***

PRECINCTS.																	
15.					16.												
Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Brown.	Greenhalge.	Kendall.	Ruther.	Williams.	Total for Brown.	Total for Greenhalge.*	Total for Kendall.	Total for Ruther.	Total for Williams.	Scattering.	Total for Gubernatorial Candidates.	Wards.
.....	30	1,902	33	9	1,245 ...		3,219 ...	1
.....	23	678	8	10	1,548 ...		2,267 ...	2
.....	24	748	28	20	1,395 ...		2,215 ...	3
.....	29	905	20	16	1,105 ...		2,075 ...	4
.....	27	768	18	14	1,259 ...		2,086 ...	5
.....	14	290	2	11	1,123 ...		1,440 ...	6
.....	21	278	9	13	743 ...		1,064 ...	7
.....	24	434	11	50	1,182 ...		1,701 ...	8
.....	20	961	28	14	540 ...		1,583 ...	9
.....	17	719	26	12	309 ...		1,083 ...	10
.....	43	2,303	46	15	878 ...		3,285 ...	11
.....	22	323	14	24	890 ...		1,273 ...	12
.....	57	342	5	23	1,972 ...		2,399 ...	13
.....	46	1,633	57	42	2,260 ...	1	4,039 ...	14
.....	33	879	16	41	1,768 ...		2,737 ...	15
.....	30	611	23	64	1,161 ...	1	1,890 ...	16
.....	33	1,254	43	19	963 ...		2,312 ...	17
.....	32	1,465	35	16	807 ...		2,355 ...	18
.....	46	1,049	37	40	1,529 ...		2,701 ...	19
.....	55	1,910	44	24	2,491 ...		4,524 ..	20
.....	38	2,636	80	19	1,521 ...		4,294 ...	21
.....	43	1,122	19	45	1,897 ...	1	3,127 ..	22
.....	64	2,565	73	76	1,832 ...		4,610 ...	23
9	315	11	..	117	2	192	6	1	117	74	3,839	105	14	2,058 ...		6,090 ...	24
.....	21	1,425	32	7	1,065 ...		2,550 ...	25
.....	866	31,059	816	634	33,541	3	66,919	

* Elected.

**Votes cast for State Officers (except Governor), State
Election, 1895.**

IN THE CITY OF BOSTON.

Office.	Candidates.	Votes cast.	Proportion of men registered who voted.
Lieutenant Governor .	Buddington	868	74.81 per cent.
	Grinnell	31,737	
	O'Neil	1,303	
	Rogers	1,173	
	*Wolcott	30,419	
	Total	65,500	
Secretary of State....	Flynn	31,898	74.22 per cent.
	Maloney	922	
	Nash	919	
	*Olin	30,447	
	Wylie	798	
	Total	64,984	
Treasurer and Receiver General ..	Moran	1,306	73.29 per cent.
	Purrinton	835	
	*Shaw	29,190	
	Stevens	31,768	
	Wentworth	1,064	
	Total	64,163	
Auditor	*Kimball	29,598	72.91 per cent.
	Nagler	869	
	Paton	718	
	Regnell	710	
	Whitney	31,937	
	Total	63,832	
Attorney General	Forbush	846	73.54 per cent.
	Hurlburt	31,829	
	*Knowlton	30,132	
	Putney	838	
	Reno	740	
	Total	64,385	

* Elected.

Votes cast for Sheriff, State Election, 1895.
SUFFOLK COUNTY.

Wards.	O'Brien.*	Scattering.	REMARKS.
1	2,441		* Elected.
2	1,775		Registered voters, 87,553.
3	1,758	4	Votes cast, 51,721.
4	1,521	6	Proportion of men registered who voted, 59.07 per cent.
5	1,626	4	The balance of Suffolk County is composed of Chelsea, Revere, and Winthrop.
6	1,051		
7	810		
8	1,325		
9	1,270	7	
10	800	1	
11	2,680	5	
12	1,014		
13	1,851	1	
14	3,170	3	
15	2,190	2	
16	1,320	2	
17	1,655	3	
18	1,848		
19	1,982		
20	3,499	2	
21	3,382	8	
22	2,455		
23	3,598	3	
24	4,764	4	
25	1,879	2	
Totals	51,664	57	

Votes cast for District Attorney, State Election, 1895.**SUFFOLK DISTRICT.**

Wards.	Stevens.*	Scattering.	REMARKS.
1	2,601		* Elected.
2	1,778		Registered voters, 87,553.
3	1,830		Votes cast, 53,095.
4	1,554		Proportion of men registered who voted, 60.64 per cent.
5	1,636		
6	978		The balance of this district is composed of Chelsea, Revere, and Winthrop.
7	741		
8	1,265	1	
9	1,304	2	
10	884	1	
11	2,795	1	
12	974		
13	1,771		
14	3,214		
15	2,160		
16	1,233		
17	1,791	1	
18	1,957		
19	2,024		
20	3,571	1	
21	3,646	1	
22	2,401		
23	3,863	3	
24	5,133		
25	1,977	3	
Totals	53,081	14	

Votes cast for Councillor, State Election, 1895.

SECOND DISTRICT.

Wards.	Eaton.	Lovell.*	Scattering.	REMARKS.
19	1480	1025		*Elected.
21	1528	2680		Registered voters, 30,- 629.
22	1993	1055		Votes cast, 22,649.
23	1818	2636		Proportion of men reg- istered who voted, 73.95 per cent.
24	2115	3852		The balance of this dis- trict comprises the First Bristol, and the First and Second Norfolk, Senator- ial Districts.
25	1085	1380	2	
Totals..	10,019	12,628	2	

THIRD DISTRICT.

Wards.	Grace.	Raymond.*	REMARKS.
1	1259	1888	*Elected.
3	1418	715	Registered voters, 12,723.
4	1076	894	Votes cast, 9,241.
5	1238	753	Proportion of men registered who voted, 72.63 per cent.
			The balance of this district com- prises Chelsea, Revere, Winthrop, and the First, Second, and Third Middlesex Senatorial Districts.
Totals..	4991	4250	

Votes cast for Councillor, State Election, 1895.**FOURTH DISTRICT.**

Wards.	Blanchard.	Sullivan. *	Scattering.
2	607	1,636	
6	243	1,018	
7	246	703	
8	406	1,179	
9	1,013	522	
10	753	270	
11	2,440	753	
12	299	924	
13	246	2,002	1
14	1,587	2,294	1
15	801	1,798	
16	652	1,067	
17	1,318	925	
18	1,527	776	
20	1,896	2,462	
Totals	14,034	18,329	2

* Elected.

Registered voters, 44,201.

Votes cast, 32,365.

Proportion of men registered who voted, 73.22 per cent.

Votes cast for Senator, State Election, 1895.**FIRST SENATORIAL DISTRICT.**

Ward 1.	Haynes.	Maccabe.*	O'Connor.	Weston.	Scattering.
Precinct 1....		45	248		
“ 2....	7	227	61	11	
“ 3....	4	235	28	11	
“ 4....	8	298	58	9	1
“ 5....	6	255	43	9	
“ 6....	11	216	105	11	
“ 7....	2	148	234	4	
“ 8....	4	159	178	9	
“ 9....	4	252	239	4	
Totals.....	46	1,830	1,189	68	1

* Elected.

Registered voters, 4,311.

Votes cast, 3,134.

Proportion of men registered who voted, 72.70 per cent.

The balance of this district is composed of Chelsea, Revere, and Winthrop.

Votes cast for Senator, State Election, 1895.**SECOND SENATORIAL DISTRICT.**

Ward 3.		Corbett. *	Crowson.	Kimball.
Precinct 1.....	101	7	228	
" 2.....	228	4	137	
" 3.....	221	11	150	
" 4.....	315	2	59	
" 5.....	314	2	65	
" 6.....	316	1	24	
Totals	1,495	27	663	
Ward 4.				
Precinct 1.....	279	4	80	
" 2.....	97	10	203	
" 3.....	149	5	236	
" 4.....	260	2	114	
" 5.....	305	6	42	
" 6.....	109	5	141	
Totals	1,199	32	816	
Ward 5.				
Precinct 1.....	109	7	230	
" 2.....	265	6	139	
" 3.....	307	2	30	
" 4.....	153	4	101	
" 5.....	287	3	109	
" 6.....	190	6	108	
Totals	1,311	28	717	
Grand totals.....	4,005	87	2,196	

* Elected.

Registered voters, 8,412.

Votes cast, 6,288.

Proportion of men registered who voted, 74.75 per cent.

Votes cast for Senator, State Election, 1895.
THIRD SENATORIAL DISTRICT.

Ward 6.		Lomasney.*	O'Brien.	Quint.
Precinct 1		148	177	9
" 2		194	123	16
" 3		167	122	8
" 4		202	74	
" 5		108	112	27
Totals		819	608	60
Ward 7.				
Precinct 1		101	116	7
" 2		94	115	6
" 3		58	99	28
" 4		95	94	22
" 5		99	71	77
Totals		447	495	110
Ward 8.				
Precinct 1		96	49	71
" 2		137	87	46
" 3		205	95	27
" 4		165	61	17
" 5		192	81	35
" 6		264	33	11
Totals		1,059	406	207
Grand totals		2,325	1,509	407

* Elected.

Registered voters, 5,387.

Votes cast, 4,241.

Proportion of men registered who voted, 78.73 per cent.

The balance of this district is Ward 3, Cambridge.

Votes cast for Senator, State Election, 1895.**FOURTH SENATORIAL DISTRICT.**

Ward 2.		Acker.	Quinn.*	Scattering.
Precinct 1.....		73	271	
" 2.....		78	191	
" 3.....		106	207	
" 4.....		75	210	
" 5.....		73	221	
" 6.....		53	237	
" 7.....		158	258	
Totals		616	1,595	
Ward 12.				
Precinct 1.....		14	178	
" 2.....		28	209	
" 3.....		31	220	
" 4.....		88	208	
" 5.....		127	116	
Totals		288	931	
Ward 16.				
Precinct 1.....		125	161	1
" 2.....		141	95	
" 3.....		81	188	
" 4.....		159	178	
" 5.....		58	199	
" 6.....		36	242	
Totals		600	1,063	1
Grand totals		1,504	3,589	1

* Elected.

Registered voters, 7,276.

Votes cast, 5,094.

Proportion of men registered who voted, 70.01 per cent.

Votes cast for Senator, State Election, 1895.
FIFTH SENATORIAL DISTRICT.

Ward 9.		Fowler.	Sanger.*	Scattering.
Precinct	1	119	229	
"	2	75	233	
"	3	63	195	
"	4	118	243	
"	5	165	99	
Totals		540	999	
Ward 10.				
Precinct	1	56	254	1
"	2	88	220	
"	3	41	144	
"	4	111	106	
Totals		296	724	1
Ward 11.				
Precinct	1	60	206	
"	2	42	211	
"	3	47	231	
"	4	45	190	
"	5	169	103	
"	6	173	165	
"	7	48	149	
"	8	51	258	
"	9	62	262	
"	10	56	293	
"	11	124	277	
Totals		877	2345	
Grand totals		1713	4068	1

* Elected.

Registered voters, 8,132.

Votes cast, 5,782.

Proportion of men registered who voted, 71.10 per cent.

**Votes cast for Senator, State Election, 1895.
SIXTH SENATORIAL DISTRICT.**

Ward 13.	Chance.	Donegan.	McMorrow.*	Murray.	Scattering.
Precinct 1.....		4	108	28	
" 2.....	3	4	219	37	
" 3.....	3	8	218	49	
" 4.....	4	7	237	87	
" 5.....	6	3	201	60	
" 6.....	8	9	196	64	
" 7.....	5	3	198	103	
" 8.....	5	12	164	71	
" 9.....	5	6	191	64	
Totals.....	39	56	1,732	563	
Ward 14.					
Precinct 1.....	13	3	167	84	
" 2.....	10	6	241	84	
" 3.....	14	5	259	70	
" 4.....	24	3	153	156	1
" 5.....	80	5	104	141	
" 6.....	86	5	97	129	
" 7.....	47	3	87	173	1
" 8.....	41	7	119	209	
" 9.....	33	4	174	123	
" 10.....	10	2	157	114	
" 11.....	15	2	132	146	
" 12.....	19	7	124	171	
Totals.....	392	52	1,814	1,600	2
Ward 15.					
Precinct 1.....	1	1	221	43	
" 2.....	3	5	248	41	
" 3.....	16	5	178	127	1
" 4.....	10	3	156	120	
" 5.....	7	7	215	115	
" 6.....	26	4	220	96	
" 7.....	12	5	158	93	
" 8.....	22	5	308	197	2
Totals.....	97	35	1,704	832	3
Grand totals.	528	143	5,250	2,995	5

* Elected.

Registered voters, 11,850.

Votes cast, 8,921.

Proportion of men registered who voted, 75.28 per cent.

Votes cast for Senator, State Election, 1895.
SEVENTH SENATORIAL DISTRICT.

Ward 17.		Dever.	Hall.	Hutchinson.*	Scott.	Scattering.
Precinct	1	40	13	216	1	
"	2	63	12	259	.....	1
"	3	81	10	201	5	
"	4	81	5	161	4	
"	5	171	9	119	7	
"	6	255	2	79	4	
"	7	109	3	151	4	
"	8	167	3	58	4	
Totals		967	57	1244	29	1

Ward 18.						
Precinct	1	49	5	213	4	
"	2	70	9	264	7	
"	3	79	7	265	5	
"	4	91	5	201	3	
"	5	99	2	229	4	
"	6	184	.....	149	6	
"	7	222	2	134	7	
Totals		794	30	1,455	36	

Ward 20.						
Precinct	1	316	2	80	1	
"	2	227	4	46	10	
"	3	149	4	119	3	
"	4	179	.....	149	7	
"	5	253	2	53	9	
"	6	235	.....	54	7	
"	7	193	4	183	1	
"	8	268	2	95	9	
"	9	154	3	84	5	
"	10	105	9	252	4	
"	11	50	9	258	3	
"	12	166	9	252	5	
"	13	324	7	133	10	
Totals		2,619	55	1,758	74	
Grand totals		4,380	142	4,457	139	1

* Elected.

Registered voters, 11,556.

Votes cast, 9,119.

Proportion of men registered who voted, 78.91 per cent.

Votes cast for Senator, State Election, 1895.**EIGHTH SENATORIAL DISTRICT.**

Ward 19.		Fallon.	Hammond.	McAlduff.	Sullivan.*
Precinct	1	71	71	7	125
"	2	25	31	9	115
"	3	25	105	3	156
"	4	19	125	8	97
"	5	26	160	14	126
"	6	29	180	5	125
"	7	113	102	3	145
"	8	94	113	1	170
"	9	66	72	3	128
Totals		468	959	53	1,187
Ward 22.					
Precinct	1	4	293	.....	97
"	2	15	94	3	101
"	3	42	59	.....	129
"	4	35	35	4	175
"	5	21	47	2	203
"	6	36	41	1	266
"	7	53	75	5	191
"	8	37	92	7	252
"	9	26	63	2	154
"	10	44	180	11	201
Totals		313	979	35	1,769
Ward 25.					
Precinct	1	6	298	2	145
"	2	3	359	2	45
"	3	7	257	2	177
"	4	12	83	2	242
"	5	11	217	.....	229
"	6	5	217	1	164
Totals		44	1,431	9	1,002
Grand totals		825	3,369	97	3,958

* Elected.

Registered voters, 10,934.

Votes cast, 8,249.

Proportion of men registered who voted, 75.44 per cent.

Votes cast for Senator, State Election, 1895.
NINTH SENATORIAL DISTRICT.

Ward 21.				Ward 24.			
	Goodwin.	Mulvey.	Sprague.		Goodwin.	Mulvey.	Sprague.*
Precinct 1.....	5	60	197	Precinct 1.....	7	144	302
" 2.....	8	154	177	" 2.....	5	108	226
" 3.....	3	62	200	" 3.....	14	118	193
" 4.....	5	175	129	" 4.....	8	199	192
" 5.....	6	234	122	" 5.....	2	225	107
" 6.....	11	187	219	" 6.....	3	73	165
" 7.....	8	56	235	" 7.....	3	114	161
" 8.....	4	37	236	" 8.....	5	120	215
" 9.....	10	122	202	" 9.....	7	81	193
" 10.....	13	136	316	" 10.....	7	149	410
" 11.....	13	75	341	" 11.....	8	105	187
" 12.....	52	106	304	" 12.....	11	72	213
Totals	138	1,404	2,678	" 13.....	11	170	405
Ward 23.				" 14.....	10	90	346
Precinct 1.....	6	146	217	" 15.....	14	108	320
" 2.....	6	141	189	" 16.....	7	112	195
" 3.....	10	185	203	Totals	122	1,988	3,830
" 4.....	7	46	218	Grand totals....	364	5,075	9,190
" 5.....	9	100	277				
" 6.....	5	39	176				
" 7.....	17	80	185				
" 8.....	6	247	66				
" 9.....	6	201	236				
" 10.....	3	170	128				
" 11.....	13	129	189				
" 12.....	5	53	247				
" 13.....	8	66	292				
" 14.....	3	80	59				
Totals	104	1,683	2,682				

* Elected

Registered voters, 19,695.

Votes cast, 14,629.

Proportion of men registered who
voted, 74.28 per cent.

Votes cast for Representatives, State Election, 1895.

FIRST DISTRICT.

Ward 1.		John L. Bates.*	John Brant.	James A. Cochran.*	Frederick W. Day.
Precinct	1.....	43	222	37	205
"	2.....	241	48	212	66
"	3.....	234	27	226	38
"	4.....	303	52	289	68
"	5.....	250	40	235	54
"	6.....	220	103	216	115
"	7.....	152	205	136	194
"	8.....	158	178	152	172
"	9.....	239	225	220	210
Totals.....		1,840	1,100	1,723	1,122

SECOND DISTRICT.

Ward 2.		Manassah E. Bradley.*	William C. Fiske.	Michael J. Leary.*
Precinct	1.....	267	70	274
"	2.....	181	77	180
"	3.....	221	112	218
"	4.....	211	79	201
"	5.....	218	74	203
"	6.....	250	51	216
"	7.....	256	164	220
Totals		1,604	627	1,512

THIRD DISTRICT.

Ward 3.		Hiram I. Nason.	John M. O'Hara.*	David B. Shaw.*	David Wal- ters, Jr.
Precinct	1.....	204	81	91	237
"	2.....	123	213	212	128
"	3.....	154	198	208	159
"	4.....	47	304	270	72
"	5.....	59	288	289	84
"	6.....	21	291	292	30
Totals.....		608	1,375	1,362	710

* Elected.

**Votes cast for Representatives, State Election, 1895.
FOURTH DISTRICT.**

Ward 4.		Amos Adams.	Timothy J. * Donovan.	Fred M. Kimball.	Jeremiah J. * McCarthy.	Henry Leonard Wightman.
Precinct	1	14	199	70	175	182
"	2	40	75	205	183	59
"	3	44	123	214	264	74
"	4	25	203	117	219	133
"	5	9	294	32	189	142
"	6	57	106	132	122	54
Totals		189	1,000	770	1,152	644

FIFTH DISTRICT.

Ward 5.		Robert F. * Denvir.	William O. D. Grace.	James H. * Leary.	Fred A. Norton.	Scattering.
Precinct	1	99	218	84	228	
"	2	253	127	244	140	1
"	3	296	28	301	80	
"	4	155	78	128	100	
"	5	294	78	251	111	
"	6	193	88	164	112	
Totals		1,290	617	1,172	721	1

SIXTH DISTRICT.

Ward 6.		Jeremiah E. Mahoney. *	Daniel D. * Rourke.
Precinct	1	227	275
"	2	197	216
"	3	220	218
"	4	225	196
"	5	131	123
Totals		1,000	1,028

* Elected.

Votes cast for Representatives, State Election, 1895.
SEVENTH DISTRICT.

Ward 7.		Patrick J. Carroll.*	George F. Coleman.*	George W. Hill.	Bernard McMackin.	Augustus M. Pendleton.
Precinct	1	153	132	11	99	7
"	2	111	96	9	118	12
"	3	62	58	31	102	37
"	4	122	140	22	70	19
"	5	115	154	78	55	66
Totals		563	580	151	444	141

EIGHTH DISTRICT.

Ward 8.		Charles G. F. Claus.	Hammond T. Fletcher.	Thomas F. Keenan.*	David T. King.*	Daniel J. O'Brien.
Precinct	1	21	87	103	102	45
"	2	17	75	158	129	65
"	3	22	62	224	199	59
"	4	17	50	156	136	53
"	5	27	88	165	147	79
"	6	8	25	248	214	24
Totals		112	387	1,054	927	325

NINTH DISTRICT.

Ward 9.		William H. Cuddy.	George v. L. Meyer.*	James J. Porter.	William L. Reed.*	Scattering.
Precinct	1	89	242	91	183	3
"	2	51	226	45	188	
"	3	62	188	50	191	
"	4	94	235	80	232	
"	5	151	91	118	83	
Totals		447	982	384	877	3

* Elected.

Votes cast for Representatives, State Election, 1895.

TENTH DISTRICT.

Ward 10.	Charles D. Bradbury.	Edward S. Crockett.*	Robert Treat Paine, Jr.	Clarence P. Weston.*
Precinct 1.....	139	178	101	180
" 2.....	174	160	121	147
" 3.....	92	87	74	113
" 4.....	92	87	122	108
Totals.....	497	512	418	548

ELEVENTH DISTRICT.

Ward 11.	Joshua B. Holden.*	Francis C. Lowell.*	Scattering.
Precinct 1.....	207	236	2
" 2.....	221	229	1
" 3.....	236	226	3
" 4.....	188	192	1
" 5.....	149	111	
" 6.....	181	177	2
" 7.....	161	172	
" 8.....	257	252	
" 9.....	249	237	
" 10.....	289	278	3
" 11.....	290	280	
Totals	2,428	2,390	12

TWELFTH DISTRICT.

Ward 12.	Timothy J. Crowley.	Daniel M. Driscoll.*	William P. Driscoll.*	George H. Payne.	Edward W. Starkey.
Precinct 1.....	79	157	119	10	5
" 2.....	136	135	120	23	15
" 3.....	130	135	135	21	17
" 4.....	117	142	127	74	60
" 5.....	62	71	71	117	86
Totals.....	524	640	572	245	187

* Elected.

Votes cast for Representatives, State Election, 1895.

THIRTEENTH DISTRICT.

Ward 13.	John T. Cassidy.	Harry W. Farmer.	James A. Gallivan.*	William J. Guiney.	James S. McKenna.*
Precinct 1.....	5	6	126	8	105
" 2.....	16	11	224	8	196
" 3.....	14	12	233	12	217
" 4.....	42	28	262	15	242
" 5.....	12	21	219	11	220
" 6.....	20	26	218	11	218
" 7.....	27	51	221	8	203
" 8.....	16	28	188	10	185
" 9.....	14	8	200	11	237
Totals.....	166	191	1,891	94	1,823

FOURTEENTH DISTRICT.

Ward 14.	Alonzo Bancroft.	Daniel J. Barry.*	Joseph J. Norton.*	Charles L. Storrs.
Precinct 1.....	57	184	187	57
" 2.....	61	254	253	57
" 3.....	28	296	298	22
" 4.....	116	199	202	117
" 5.....	137	164	159	179
" 6.....	157	145	146	146
" 7.....	173	133	127	160
" 8.....	199	171	167	186
" 9.....	94	212	213	91
" 10.....	73	197	195	75
" 11.....	126	156	147	119
" 12.....	153	154	147	138
Totals.....	1,369	2,265	2,241	1,347

* Elected.

**Votes cast for Representatives, State Election, 1895.
FIFTEENTH DISTRICT.**

Ward 15.		James F. Creed. *	Thaxter R. Groves.	Jamison H. Harrison.	William W. Nichols.	Michael J. Reidy. *
Precinct	1	229	13	1	11	217
"	2	217	20	9	22	237
"	3	230	77	8	79	198
"	4	178	93	14	79	158
"	5	213	97	7	87	219
"	6	218	74	14	79	229
"	7	152	74	12	79	156
"	8	310	133	43	120	324
Totals.		1,777	581	108	556	1,738

SIXTEENTH DISTRICT.

Ward 16.		John J. Gartland, Jr.	James Keenan. *	John A. Keliher. *	Douglas F. Morine.	Edward W. Philbrick.	James F. Ryan.	Scattering.
Precinct	1	36	82	150	83	107	123	1
"	2	48	66	68	101	123	72	
"	3	25	86	162	55	66	149	
"	4	51	121	113	119	137	96	1
"	5	137	159	64	33	45	68	
"	6	57	214	81	25	31	116	
Totals		354	728	638	416	509	624	2

SEVENTEENTH DISTRICT.

Ward 17.		Robert J. Ambrose.	James M. Douglass. *	Franz H. Krebs, Jr. *	Nicholas J. Quinn.	Scattering.
Precinct	1	38	201	177	42	
"	2	58	248	205	79	
"	3	73	193	160	75	
"	4	65	156	154	72	1
"	5	154	121	131	119	
"	6	254	61	71	188	
"	7	92	125	108	121	
"	8	178	39	37	163	
Totals		912	1,144	1,043	859	1

* Elected.

Votes cast for Representatives, State Election, 1895.

EIGHTEENTH DISTRICT.

Ward 18.		Henry Smith Bishop.	William T. A. Fitzgerald.	William J. Hurd.	John W. Johnson.*	Philip J. Libby.	Albert C. Smith.*
Precinct	1	3	84	3	218	38	193
"	2	15	51	16	257	51	190
"	3	7	57	10	261	57	238
"	4	7	83	10	198	79	169
"	5	9	83	7	209	77	183
"	6	2	167	3	129	170	80
"	7	11	179	8	159	159	116
Totals		54	654	57	1,426	631	1,169

NINETEENTH DISTRICT.

Ward 19.		Joseph L. Bartlett.	Daniel J. Curley.*	Edwin A. Lincoln.	Alfred J. McCarthy.	Frank J. O'Toole.*	John Setter- strom.
Precinct	1	63	162	63	9	152	7
"	2	29	106	30	13	113	7
"	3	111	132	100	12	144	6
"	4	132	90	115	11	100	6
"	5	153	102	148	19	134	6
"	6	151	111	139	8	147	6
"	7	89	211	92	35	169	12
"	8	104	251	95	7	193	5
"	9	66	188	60	5	127	11
Totals		898	1,353	842	119	1,279	60

* Elected.

**Votes cast for Representatives, State Election, 1895.
TWENTIETH DISTRICT.**

Ward 20.		Nathan Adams.	Daniel C. Casey.*	Alonza F. Doe.	Abram Hoffecker.	Edward R. Le Gallee.	Charles L. Quirk.*
Precinct	1.....	77	288	5	62	5	268
"	2.....	47	219	4	41	3	214
"	3.....	112	145	3	100	2	128
"	4.....	174	143	4	146	2	135
"	5.....	36	251	3	38	3	238
"	6.....	40	220	2	33	1	235
"	7.....	169	171	7	155	3	188
"	8.....	94	254	5	84	.....	265
"	9.....	71	156	3	66	3	141
"	10.....	236	83	13	242	4	94
"	11.....	244	35	7	244	4	44
"	12.....	246	141	10	237	4	150
"	13.....	137	299	7	119	7	298
Totals.....		1,683	2,400	73	1,567	43	2,393

TWENTY-FIRST DISTRICT.

Ward 21.		Leander B. Abbott.	Frederick Atherton.*	William W. Davis.*	Carleton Hunneman.
Precinct	1.....	69	168	168	52
"	2.....	135	162	162	116
"	3.....	65	173	193	61
"	4.....	133	116	125	135
"	5.....	192	97	107	187
"	6.....	151	195	207	157
"	7.....	64	205	215	57
"	8.....	39	202	216	40
"	9.....	115	181	186	90
"	10.....	129	259	272	117
"	11.....	84	302	300	76
"	12.....	135	268	279	133
Totals.....		1,311	2,328	2,430	1,221

* Elected.

**Votes cast for Representatives, State Election, 1895.
TWENTY-SECOND DISTRICT.**

Ward 22.		Frederick Bleiler.	James T. Brickley.	William H. Morgan.
Precinct 1		300	4	78
" 2		134	12	69
" 3		98	16	112
" 4		62	13	164
" 5		77	14	161
" 6		58	26	236
" 7		98	16	210
" 8		163	24	187
" 9		117	6	114
" 10		327	12	103
Totals		1,434	143	1,434

Tie Vote.

TWENTY-THIRD DISTRICT.

Ward 23.		William E. Ford.*	Arthur A. Maxwell.*	Guy F. Newhall.	Scattering.
Precinct 1		184	195	158	
" 2		169	172	142	
" 3		188	205	185	
" 4		182	201	52	
" 5		252	259	110	
" 6		159	158	50	
" 7		174	183	95	
" 8		77	92	184	
" 9		208	201	161	
" 10		116	117	158	
" 11		181	171	116	1
" 12		217	214	52	
" 13		242	228	130	
" 14		56	39	99	
Totals		2,405	2,435	1,692	1

* Elected.

Votes cast for Representatives, State Election, 1895.
TWENTY-FOURTH DISTRICT.

Ward 24.	Frederick H. Bidwell.	George B. Bird. *	Joseph A. Campbell.	Charles F. Hildreth.	Charles F. M. Malley.	Arthur H. Stock.	John E. Tuttle. *	Scattering.
Precinct 1....	8	255	171	7	132	6	276	
" 2....	2	206	135	4	108	3	206	2
" 3....	8	179	130	8	108	3	176	
" 4....	13	185	206	8	173	8	174	1
" 5....	2	101	233	6	196	5	82	
" 6....	7	146	79	7	68	2	144	1
" 7....	5	149	114	1	94	6	181	
" 8....	4	199	118	6	103	3	243	
" 9....	8	177	86	9	84	2	183	
" 10....	16	375	165	8	138	40	347	
" 11....	8	173	112	8	97	1	165	
" 12....	10	194	78	8	66	9	187	
" 13....	12	369	175	11	147	5	382	
" 14....	23	305	116	6	87	10	306	2
" 15....	17	297	121	15	98	8	292	
" 16....	3	181	109	4	100	9	177	
Totals.....	146	3,491	2,148	116	1,799	120	3,521	6

TWENTY-FIFTH DISTRICT.

Ward 25.	John J. Hannon.	Samuel H. Mitchell. *
Precinct 1.....	155	295
" 2.....	57	346
" 3.....	196	242
" 4.....	271	70
" 5.....	240	204
" 6.....	166	217
Totals.....	1,085	1,374

* Elected.

Number of Men registered who Voted
(AS PER WARD OFFICERS' RETURNS OF NAMES CHECKED ON
VOTING-LIST) AT STATE ELECTION, 1895.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1	305	319	292	394	327	369	402	374	516
2	359	286	389	313	317	314	436	.....	.....
3	349	394	398	394	395	354	.....	.....	.....
4	381	332	407	396	371	270	.....	.....	.....
5	362	420	364	269	420	315	.....	.....	.....
6	350	349	310	378	262	.....	.....	.....	.....
7	243	222	193	231	274	.....	.....	.....	.....
8	236	284	342	256	323	313	.....	.....	.....
9	361	319	289	375	291	.....	.....	.....	.....
10	327	333	207	237	.....	.....	.....	.....	.....
11	272	260	285	243	298	362	202	318	346
12 ...	221	267	270	326	259	.....	.....	.....	.....
13	150	270	291	348	278	291	321	253	287
14	285	359	371	366	349	345	343	406	349
15	278	309	343	310	368	363	280	559	.....
16	348	293	324	395	318	361	.....	.....	.....
17	278	341	306	269	320	352	282	249	.....
18	282	365	365	312	345	358	368	.....	.....
19	288	187	307	275	347	348	366	402	281
20	414	306	284	343	337	318	384	387	260
21	268	361	279	327	385	431	306	283	344
22	405	231	246	273	275	359	341	397	266
23	398	368	422	278	404	232	289	346	459
24	467	364	336	418	363	250	289	355	298
25	479	425	479	363	508	406	.....	.....	.....
Totals. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Number of Men registered who Voted
(AS PER WARD OFFICERS' RETURNS OF NAMES CHECKED ON
VOTING-LIST) AT STATE ELECTION, 1895.

PRECINCTS.							Number of Names checked	Number regis- tered.	Per cent. registered who voted.	Wards.
10.	11.	12.	13.	14.	15.	16.				
.....	.....	.....	.....	.....	.....	.....	3,298	4,311	76.50	.... 1
.....	.....	.....	.....	.....	.....	.....	2,414	3,141	76.85	.... 2
.....	.....	.....	.....	.....	.....	.....	2,284	2,992	76.34	.... 3
.....	.....	.....	.....	.....	.....	.....	2,157	2,656	81.21	.... 4
.....	.....	.....	.....	.....	.....	.....	2,150	2,764	77.79	.... 5
.....	.....	.....	.....	.....	.....	.....	1,649	1,880	87.71	.... 6
.....	.....	.....	.....	.....	.....	.....	1,163	1,420	81.90	.... 7
.....	.....	.....	.....	.....	.....	.....	1,754	2,087	84.04	.... 8
.....	.....	.....	.....	.....	.....	.....	1,635	2,187	74.76	.... 9
.....	.....	.....	.....	.....	.....	.....	1,104	1,327	83.19	.... 10
359	416	.....	.....	.....	.....	.....	3,361	4,618	72.78	.... 11
.....	.....	.....	.....	.....	.....	.....	1,343	1,659	80.95	.... 12
.....	.....	.....	.....	.....	.....	.....	2,489	3,186	78.12	.... 13
305	312	342	.....	.....	.....	.....	4,132	5,191	79.60	.... 14
.....	.....	.....	.....	.....	.....	.....	2,810	3,473	80.91	.... 15
.....	.....	.....	.....	.....	.....	.....	2,039	2,476	82.35	.... 16
.....	.....	.....	.....	.....	.....	.....	2,397	2,936	81.64	.... 17
.....	.....	.....	.....	.....	.....	.....	2,395	2,983	80.29	.... 18
.....	.....	.....	.....	.....	.....	.....	2,801	3,632	77.12	.... 19
380	328	443	493	.....	.....	.....	4,677	5,637	82.97	.... 20
471	437	480	.....	.....	.....	.....	4,372	5,588	78.24	.... 21
466	.....	.....	.....	.....	.....	.....	3,259	4,117	79.16	.... 22
317	363	311	376	154	.....	.....	4,717	6,032	78.20	.... 23
587	310	313	599	460	460	322	6,191	8,075	76.67	.... 24
.....	.....	.....	.....	.....	.....	.....	2,660	3,185	83.52	.... 25
.....	.....	.....	.....	.....	.....	.....	69,251	87,553		

Average per cent. of men registered who voted, 79.10.

Registered Women Voters at
Authorized under Chap.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	7	121	127	153	115	131	37	39	57
2....	24	32	34	26	21	23	44	.....	.....
3....	147	89	72	20	29	8	.....	.....	.....
4....	39	111	109	61	17	31	.....	.....	.....
5....	98	72	13	37	44	40	.....	.....	.....
6....	8	7	5	4	10	.....	.....	.....	.....
7....	2	.....	.....	6	23	.....	.....	.....	.....
8....	24	26	13	1	12	.....	.....	.....	.....
9....	74	111	37	150	11	.....	.....	.....	.....
10....	75	41	23	15	.....	.....	.....	.....	.....
11....	30	28	41	53	77	23	72	128	76
12....	.....	9	16	30	46	.....	.....	.....	.....
13....	.....	2	.....	8	4	4	26	22	2
14....	34	41	15	85	67	103	151	157	47
15....	2	27	68	95	92	50	31	93	.....
16....	21	31	16	47	5	9	.....	.....	.....
17....	102	122	107	67	30	19	28	18	.....
18....	88	104	129	70	71	35	52	.....	.....
19....	20	13	35	37	44	61	47	81	19
20....	17	17	49	108	6	14	59	36	24
21....	89	112	98	64	53	75	111	141	107
22....	72	29	24	3	30	5	19	61	20
23....	54	70	74	77	85	70	93	9	71
24....	152	131	87	87	37	73	54	67	56
25....	72	96	109	23	49	79	.....	.....	.....
Total.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

State Election, Nov. 5, 1895.

436, Acts of 1895.

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
							787	1
							204	2
							365	3
							368	4
							304	5
							34	6
							31	7
							76	8
							383	9
							154	10
110	77						715	11
							101	12
							68	13
64	84	99					947	14
							458	15
							129	16
							493	17
							549	18
							357	19
123	94	110	36				693	20
104	120	143					1,217	21
55							318	22
44	77	105	86	12			927	23
110	66	65	117	160	117	57	1,436	24
							428	25
							11,542	

Number of Women registered who voted on Referendum
 (CHAP. 486, ACTS OF 1895). AS PER WARD OFFICERS' RE-
 TURNS OF NAMES CHECKED ON VOTING-LIST AT STATE
 ELECTION, 1895.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	6	70	82	95	68	63	15	23	18
2....	20	28	16	23	18	10	31	.....	.....
3....	76	49	35	12	11	0	.....	.....	.....
4....	17	71	70	29	10	20	.....	.....	.....
5. ..	54	32	9	12	33	15	.....	.....	.....
6....	7	4	2	3	6	.....	.....	.....	.....
7....	2	.....	.....	5	21	.....	.....	.....	.....
8....	13	17	10	1	9	.....	.....	.....	.....
9....	46	76	22	74	7	.....	.....	.....	.....
10....	51	23	12	10	.....	.....	.....	.....	.....
11....	16	15	20	41	35	8	47	75	40
12....	.....	5	11	22	36	.....	.....	.....	.....
13....	.....	.....	.....	2	3	4	15	14	1
14....	23	25	9	51	37	58	98	104	36
15....	1	17	40	55	51	37	22	56	.. ..
16....	15	18	12	23	4	8	.....	.....	.....
17....	64	75	67	34	19	9	6	9	.....
18....	51	66	92	42	41	21	32	.....	.....
19....	11	6	19	19	28	42	24	43	8
20....	11	13	31	55	.....	8	32	17	17
21....	50	51	58	36	39	37	69	81	71
22....	48	14	12	1	10	8	15	31	17
23....	27	38	50	52	50	58	57	5	38
24....	104	94	61	56	23	52	37	53	31
25....	47	53	64	16	28	51	.....	.....	.....
Total.	.....	.....	.....	.....	.....	.....	.....	.....	.....

Average per cent. of women registered who voted, 59.95.

ELECTION DEPARTMENT.

47

Number of Women registered who voted on Referendum
(CHAP 436, ACTS OF 1895), AS PER WARD OFFICERS' RE-
TURNS OF NAMES CHECKED ON VOTING-LIST AT STATE
ELECTION, 1895.

[illegible]

**Votes cast on Question submitted under Chap. 436, Acts
of 1895.**

AT STATE ELECTION, 1895.

"Is it expedient that Municipal Suffrage be granted to Women."

Wards.	MEN.		WOMEN.		TOTALS.	
	Yes.	No.	Yes.	No.	Yes.	No.
1	985	1,855	417	15	1,402	1,870
2	337	1,637	135	8	472	1,645
3	428	1,646	178	4	606	1,650
4	496	1,309	207	10	703	1,319
5	373	1,424	143	10	516	1,434
6	182	987	22	.....	204	987
7	162	679	26	2	188	681
8	278	1,119	44	6	322	1,125
9	425	937	218	5	643	942
10	338	592	90	5	428	597
11	925	1,948	407	20	1,332	1,968
12	188	936	73	1	261	937
13	198	1,884	31	8	229	1,892
14	977	2,714	530	20	1,507	2,734
15	556	1,909	256	32	812	1,941
16	351	1,120	73	7	424	1,127
17	566	1,292	274	7	840	1,299
18	641	1,327	389	6	980	1,333
19	589	1,697	185	11	774	1,708
20	944	2,894	361	16	1,305	2,910
21	1,350	2,536	678	23	2,028	2,559
22	583	2,181	184	9	767	2,190
23	1,315	2,710	562	13	1,877	2,723
24	1,976	3,360	860	30	2,836	3,390
25	697	1,531	248	10	945	1,541
Totals	15,860	42,224	6,541	278	22,401	42,502

	Registered voters.	Votes cast.	Proportion of votes cast to registered voters.
Men	87,553	58,084	66.34 per cent.
Women	11,542	6,819	59.08 "

MUNICIPAL ELECTION.

1895.

Assessed Polls, Municipal Election, 1895.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1	759	623	466	738	616	746	924	816	1,032
2	793	625	856	748	687	680	974	.....	.....
3	611	704	612	792	738	680	.....	.....	.....
4	659	636	665	704	721	672	.....	.....	.....
5	666	693	820	531	897	736	.....	.....	.....
6	813	976	782	874	929	.. ..	.....	.....	.....
7	566	707	823	702	974	.....	.....	.....	.....
8	679	575	784	770	992	722	.....	.....	.....
9	763	781	773	855	755	.....	.....	.....	.....
10	714	1,013	371	680	.....	.....	.....	.....	.....
11	453	464	514	416	1,058	1,038	535	828	875
12	473	611	579	997	913	.....	.....	.....	.....
13	452	963	824	838	669	710	703	624	707
14	473	818	803	656	737	668	645	709	687
15	595	554	637	554	585	706	633	1,070	.....
16	1,005	1,141	883	1,034	924	818	.....	.....	.....
17	612	591	715	576	680	722	769	463	.....
18	579	665	680	630	738	800	760	.....	.....
19	708	436	868	769	987	1,026	852	845	677
20	1,009	568	553	522	627	672	598	716	547
21	485	757	485	653	670	807	547	434	643
22	1,024	646	660	568	561	695	692	739	536
23	902	808	726	506	781	368	505	622	811
24	845	685	645	868	792	473	584	645	515
25	1,010	736	831	696	749	666	.....	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....

Assessed Polls, Municipal Election, 1895.

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
.....	.....	.....	.....	.....	.....	.....	6,720	1
.....	.....	.....	.....	.....	.....	.....	5,363	2
.....	.....	.....	.....	.....	.....	.....	4,137	3
.....	.....	.....	.....	.....	.....	.....	4,057	4
.....	.....	.....	.....	.....	.....	.....	4,343	5
.....	.....	.....	.....	.....	.....	.....	4,374	6
.....	.....	.....	.....	.....	.....	.....	3,772	7
.....	.....	.....	.....	.....	.....	.....	4,522	8
.....	.....	.....	.....	.....	.....	.....	3,927	9
.....	.....	.....	.....	.....	.....	.....	2,778	10
748	995	.....	.....	.....	.....	.....	7,924	11
.....	.....	.....	.....	.....	.....	.....	3,573	12
.....	.....	.....	.....	.....	.....	.....	6,490	13
554	599	601	.....	.....	.....	.....	7,950	14
.....	.....	.....	.....	.....	.....	.....	5,334	15
.....	.....	.....	.....	.....	.....	.....	5,805	16
.....	.....	.....	.....	.....	.....	.....	5,128	17
.....	.....	.....	.....	.....	.....	.....	4,852	18
.....	.....	.....	.....	.....	.....	.....	7,168	19
715	555	780	768	.....	.....	.....	8,630	20
799	753	926	.....	.....	.....	.....	7,959	21
878	.....	.....	.....	.....	.....	.....	6,999	22
656	717	631	645	288	.....	.....	8,966	23
1,097	526	623	1,288	807	857	616	11,866	24
.....	.....	.....	.....	.....	.....	.....	4,688	25
.....	.....	.....	.....	.....	.....	.....	147,325	

**Registered Voters (Men) at Municipal Election,
December 10, 1895.**

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	450	448	363	541	441	528	551	518	716
2....	489	375	552	437	404	435	570	.....	.....
3....	477	531	481	537	550	477	.....	.....	.....
4....	494	456	508	485	452	360	.....	.....	.....
5....	481	533	499	348	586	434	.....	.....	.....
6....	444	464	397	435	412	.....	.....	.....	.....
7....	296	289	282	300	369	.....	.....	.....	.....
8....	318	354	429	327	427	348	.....	.....	.....
9....	478	455	431	503	392	.....	.....	.....	.....
10....	413	426	254	341	.....	.....	.....	.....	.....
11....	382	369	406	327	441	505	290	470	515
12....	275	357	344	461	390	.....	.....	.....	.....
13....	187	372	397	457	375	401	403	328	360
14....	379	463	461	472	477	441	446	519	456
15....	354	385	446	388	453	454	379	710	.....
16....	445	436	416	508	393	432	.....	.....	.....
17....	376	412	387	348	402	421	377	308	.....
18....	399	466	453	401	429	469	440	.....	.....
19....	386	243	412	406	475	511	473	520	369
20....	550	389	363	407	400	411	455	472	333
21....	348	499	378	429	508	598	398	361	448
22....	639	323	333	352	337	452	432	526	348
23....	532	500	531	356	563	284	380	455	615
24....	610	495	459	591	499	345	388	488	377
25....	641	521	622	446	571	486	.....	.....	.....
Total.	.....	.....	.....	.....	.....	.....	.....	.....	.....

Average per cent. of men assessed who registered, 62.10.

**Registered Voters (Men) at Municipal Election,
December 10, 1895.**

PRECINCTS.							Totals.	Per cent. as- sessed polls registered by Wards.	Wards.
10.	11.	12.	13.	14.	15.	16.			
.....	.....	.....	.....	.....	.....	.....	4,556	67.80	.... 1
.....	.....	.....	.....	.....	.....	.....	3,262	60.82	.... 2
.....	.....	.....	.....	.....	.....	.....	3,053	73.80	.... 3
.....	.....	.....	.....	.....	.....	.....	2,755	67.91	.... 4
.....	.....	.....	.....	.....	.....	.....	2,881	66.34	.... 5
.....	.....	.....	.....	.....	.....	.....	2,152	49.20	.... 6
.....	.....	.....	.....	.....	.....	.....	1,536	40.72	.... 7
.....	.....	.....	.....	.....	.....	.....	2,203	48.72	.... 8
.....	.....	.....	.....	.....	.....	.....	2,259	57.52	.... 9
.....	.....	.....	.....	.....	.....	.....	1,434	51.62	.... 10
528	631	.....	.....	.....	.....	.....	4,864	61.38	.... 11
.....	.....	.....	.....	.....	.....	.....	1,827	51.13	.... 12
.....	.....	.....	.....	.....	.....	.....	3,280	50.54	.... 13
405	407	422	.....	.....	.....	.....	5,348	67.27	.... 14
.....	.....	.....	.....	.....	.....	.....	3,569	66.91	.... 15
.....	.....	.....	.....	.....	.....	.....	2,630	45.31	.... 16
.....	.....	.....	.....	.....	.....	.....	3,031	59.11	.... 17
.....	.....	.....	.....	.....	.....	.....	3,057	63.00	.... 18
.....	.....	.....	.....	.....	.....	.....	3,795	52.94	.... 19
493	410	570	578	.....	.....	.....	5,831	67.57	.... 20
603	564	662	.....	.....	.....	.....	5,796	72.82	.... 21
563	.....	.....	.....	.....	.....	.....	4,305	61.51	.... 22
450	505	431	477	198	.....	.....	6,280	70.04	.... 23
836	394	467	844	626	637	436	8,492	71.57	.... 24
.....	.....	.....	.....	.....	.....	.....	3,287	70.12	.... 25
.....	.....	.....	.....	.....	.....	.....	91,483		

Number of Votes cast for Mayor, at City Election, 1895.

Wards.	PRECINCTS.								
	1.			2.			3.		
	Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.
1	60	2 322	274	2 84	283	.. 87	370	.. 84	293
2	99	.. 339	92	.. 219	148	1 309	111	1 255	85
3	285	3 105	164	4 280	173	2 234	74	1 371	97
4	124	3 284	217	7 112	270	4 140	167	4 241	106
5	268	1 116	176	3 290	39	4 365	119	.. 179	132
6	59	1 333	81	1 308	46	2 295	83	.. 270	133
7	18	1 239	57	2 185	91	.. 132	53	3 194	116
8	110	7 141	82	7 216	68	1 300	45	3 247	87
9	256	5 142	273	4 97	206	3 87	260	3 149	109
10	265	5 59	247	5 99	163	2 53	132	.. 148	...
11	235	.. 64	254	.. 44	244	3 70	204	.. 52	136
12	37	1 203	52	1 242	43	4 258	113	4 259	180
13	19	2 143	43	2 250	38	.. 289	56	3 314	47
14	86	1 240	92	1 305	52	3 357	155	1 245	194
15	41	2 254	51	.. 268	129	4 246	139	2 191	141
16	137	4 212	173	5 147	94	4 231	188	5 210	79
17	207	3 80	256	2 92	210	4 97	196	1 97	121
18	249	2 68	285	5 89	273	4 106	226	5 105	243
19	100	2 223	45	2 152	133	1 212	154	18 147	205
20	128	1 323	81	3 258	131	2 164	203	.. 148	76
21	214	1 88	226	2 195	249	1 76	153	1 217	155
22	358	2 119	142	1 120	81	1 195	75	3 221	76
23	228	7 192	222	8 183	204	4 246	227	6 71	307
24	317	8 186	256	5 148	232	3 160	228	4 252	147
25	349	1 180	387	2 75	285	1 233	127	4 261	257
Totals									

Proportion of men registered who voted for Mayor, 83.86 per cent.

Number of Votes cast for Mayor, at City Election, 1895.—

Continued on pages 56 and 57.

PRECINCTS.												Wards.			
6.			7.			8.			9.				10.		
Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.		Curtis.	Parsons.	Quincy.
279	2 157	179	1 278	186	1 264	278	2 341								1
54	.. 321	204	2 280												2
43	3 355														3
167	3 115														4
127	2 218														5
															6
															7
99	2 296														8
															9
															10
183	2 224	175	4 64	287	6 70	297	5 95	327	5 66						11
															12
50	4 277	83	.. 260	53	1 223	49	.. 259								13
187	5 184	308	7 158	236	1 200	121	4 266	115	4 229						14
139	4 241	110	5 191	238	4 371										15
55	1 317														16
91	6 267	142	3 150	57	3 203										17
176	2 218	148	5 240												18
215	1 195	138	2 271	176	1 264	111	4 196								19
85	.. 274	199	1 199	129	1 274	112	.. 166	284	9 123						20
272	1 232	260	2 86	256	.. 51	233	4 147	350	3 171						21
64	1 329	116	1 261	154	1 286	91	.. 213	229	9 260						22
190	2 59	205	1 103	94	2 323	266	5 261	151	4 218						23
199	2 94	192	4 137	243	4 161	214	2 122	494	9 218						24
246	3 181														25

**Number of Votes cast for Mayor, at City Election,
1895. — Continued from pages 54 and 55.**

Wards.	PRECINCTS.											
	11.			12.			13.			14.		
	Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.
1.....												
2.....												
3.....												
4.....												
5.....												
6.....												
7.....												
8.....												
9.....												
10.....												
11.....	341	7	152									
12.....												
13.....												
14.....	167	1	174	184	2	178						
15.....												
16.....												
17.....												
18.....												
19.....												
20.....	266	4	72	287	2	190	156	2	354			
21.....	387	1	105	355	1	184						
22.....												
23.....	234	11	185	278	4	89	312	1	87	62	4	95
24.....	203	4	138	287	9	105	497	2	218	397	6	120
25.....												
Totals.....												

Proportion of men registered who voted for Mayor, 83.86 per cent.

**Number of Votes cast for Mayor, at City Election,
1895. — Concluded.**

PRECINCTS.						Total for Curtis.	Total for Parsons.	Total for Quincy.*	Scattering.	Total for Mayoralty Candidates.	Wards.
15.			16.								
Curtis.	Parsons.	Quincy.	Curtis.	Parsons.	Quincy.						
						2,202	12	1,636		3,850	1
						793	6	1,996		2,795	2
						836	13	1,720		2,569	3
						1,081	23	1,172		2,276	4
						861	13	1,504		2,378	5
						402	6	1,410		1,818	6
						335	9	920		1,264	7
						421	24	1,464		1,909	8
						1,106	15	670		1,791	9
						807	12	359		1,178	10
						2,883	59	1,102	1	3,825	11
						425	13	1,083		1,521	12
						440	13	2,285		2,738	13
						1,797	33	2,736		4,566	14
						988	23	2,011		3,022	15
						726	24	1,353		2,103	16
						1,280	28	1,199		2,507	17
						1,600	24	937		2,561	18
						1,277	58	1,835		3,150	19
						2,147	29	2,806	1	4,983	20
						3,110	22	1,812		4,944	21
						1,388	19	2,218		3,625	22
						2,980	62	2,243		5,285	23
397	7 140	231	2 125			4,528	73	2,615		7,216	24
						1,651	12	1,184		2,847	25
						35,864	585	40,270	2	76,721	

* Elected.

Votes cast for Aldermen, City Election, 1895.

Wards.	Allen.*	Barry.*	Bryant.*	Charles.*	Donegan.	Wm. F. Donovan.*	Wm. J. Donovan.*	Dyar.*	Folsom.*	Gibbs.	Goodwin.
1	2,131	1,527	2,064	1,484	31	1,476	1,614	2,056	2,039	32	51
2	745	1,836	730	1,798	26	1,832	1,942	685	673	24	33
3	789	1,567	796	1,542	27	1,527	1,507	767	774	20	36
4	973	1,140	970	1,110	25	1,088	1,061	987	918	27	48
5	853	1,365	824	1,345	28	1,315	1,320	806	791	35	40
6	341	1,203	337	1,146	36	1,215	1,220	301	296	16	23
7	315	842	315	797	23	833	789	306	261	13	43
8	436	1,381	431	1,356	37	1,402	1,337	417	396	38	37
9	1,139	593	1,061	596	21	581	533	1,034	1,046	41	39
10	822	329	777	833	16	305	284	781	780	23	33
11	2,756	1,027	2,547	961	87	822	780	2,614	2,527	133	160
12	385	1,022	386	981	26	1,005	993	425	380	25	30
13	297	2,149	322	2,067	88	2,145	2,104	304	371	18	33
14	1,807	2,682	1,764	2,507	127	2,436	2,396	1,733	1,803	58	81
15	890	2,004	892	1,903	68	1,944	1,903	871	934	49	56
16	690	1,358	675	1,196	67	1,215	1,180	710	637	45	53
17	1,291	1,191	1,266	1,053	48	1,059	1,036	1,235	1,230	63	78
18	1,628	976	1,579	857	46	791	691	1,575	1,538	68	64
19	1,213	1,758	1,338	1,689	67	1,649	1,624	1,166	1,162	71	76
20	2,085	2,856	2,073	2,660	75	2,631	2,567	1,981	1,996	82	89
21	3,180	1,883	3,040	1,747	73	1,628	1,562	2,983	2,939	109	166
22	1,281	2,177	1,336	2,114	68	2,082	2,009	1,214	1,181	53	76
23	2,993	2,082	2,876	2,368	93	1,935	1,867	2,862	2,805	123	134
24	4,558	2,511	4,303	2,410	101	2,254	2,166	4,218	4,450	258	193
25	1,566	1,150	1,458	1,103	38	1,068	1,042	1,680	1,434	46	47
TP's	35,164	38,609	34,160	37,123	1342	36,238	35,527	33,661	33,361	1470	1721

* Elected.

Votes cast for Aldermen, City Election, 1895.

Hall.*	Ladd.	Lee.*	Mahoney.*	O'Neil.	Phinney.	Presho.*	Smith.	Turner.	Witt.	Scattering.	Wards.
1,580	33	1,434	1,391	32	31	2,027	1,908	50	2,267		1
1,868	31	1,784	1,772	33	28	726	616	25	868		2
1,535	40	1,472	1,772	52	15	907	692	52	751		3
1,127	34	1,059	1,149	34	20	1,118	805	38	904		4
1,343	28	1,303	1,362	46	18	1,044	742	29	792	1	5
1,161	26	1,115	1,188	31	16	358	252	10	288		6
793	57	783	769	24	48	323	226	64	211		7
1,385	34	1,324	1,318	55	32	428	365	35	376		8
618	40	583	505	24	21	1,053	1,054	33	1,016	3	9
344	26	314	273	19	18	773	766	25	763	1	10
1,070	119	961	736	68	31	2,483	2,377	117	2,354	2	11
982	33	945	958	60	24	376	320	21	335		12
2,063	35	1,979	2,059	76	21	449	226	24	246		13
2,537	50	2,435	2,377	74	55	1,791	1,561	58	1,663		14
1,929	49	1,859	1,851	55	35	899	773	34	819		15
1,205	51	1,147	1,117	69	32	655	550	43	582		16
1,129	57	1,075	977	58	51	1,205	1,108	59	1,187		17
917	69	855	773	47	51	1,562	1,450	56	1,480		18
1,681	86	1,608	1,557	78	64	1,108	1,015	61	1,093		19
2,789	92	2,590	2,505	72	72	1,963	1,784	74	1,874	1	20
1,815	86	1,732	1,504	59	118	2,973	2,812	98	2,875	2	21
2,128	73	2,008	1,977	63	44	1,163	1,046	60	1,111		22
2,087	263	2,218	1,830	93	91	2,772	2,604	125	2,670	1	23
3,030	158	2,328	2,062	107	116	4,202	4,020	176	4,170		24
1,143	47	1,459	995	28	28	1,429	1,331	67	1,392		25
38,259	1,633	36,370	34,777	1352	1125	33,787	30,403	1,434	32,087	11	Tl's

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 1.		Joseph H. Barnes, Jr.*	Martin H. Dalton.	John E. Lowden.*	Collingwood C. Millar.*	Edwin J. Turner.	William C. R. Woodside.
Precinct	1	55	303	50	53	291	224
"	2	263	63	246	251	65	79
"	3	278	33	261	260	33	43
"	4	353	65	339	332	76	93
"	5	259	52	254	274	65	71
"	6	268	132	250	248	144	160
"	7	182	248	154	173	243	257
"	8	195	219	177	186	243	231
"	9	277	286	254	259	366	293
Totals.....		2,160	1,401	1,985	2,036	1,526	1,521
Ward 2.		Theodore H. Card.	Joseph A. Conry.*	John L. Kelly.*	Anders P. Kronander.	William B. Whitney.*	William R. Willoughby.
Precinct	1	71	334	334	62	331	76
"	2	77	205	214	71	213	80
"	3	123	279	285	107	298	196
"	4	81	242	232	77	252	80
"	5	72	268	261	67	267	64
"	6	51	309	296	41	312	49
"	7	179	291	257	142	309	163
Totals... ..		654	1,928	1,879	567	1,977	708
Ward 3.		James F. Haley.*	David Logan.	George E. Mendum,	Frederick A. Moulton.	John J. O'Callahan.*	Peter F. Tague.*
Precinct	1	91	270	274	268	94	93
"	2	265	153	158	145	240	272
"	3	212	168	163	168	211	214
"	4	343	61	61	64	345	352
"	5	348	78	82	74	362	338
"	6	351	22	24	26	334	346
Totals.....		1,610	752	762	745	1,586	1,615

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 4.		Martin F. Connorton.*	George A. Garland.	John H. Givan.	William E. Mahoney.*	John E. McCarthy.*	Charles O. Shute.	Scattering.
Precinct	1	285	88	76	273	273	102	.....
"	2	104	244	244	92	94	216	.....
"	3	136	265	238	118	126	256	1
"	4	240	154	140	237	213	148	.....
"	5	279	74	55	289	283	58	.....
"	6	105	149	142	128	106	144	.....
Totals		1,149	974	895	1,137	1,095	924	1

Ward 5.		George H. Allen.	Henry A. Blunt.	James J. Brock.*	Edgar W. Childs.	Dennis J. Falvey.*	William J. Miller.*
Precinct	1	283	263	99	259	92	119
"	2	169	166	265	157	246	283
"	3	31	30	352	30	341	351
"	4	117	109	159	114	145	166
"	5	123	124	290	118	292	316
"	6	130	129	182	123	185	195
Totals		853	821	1,347	801	1,301	1,430

Ward 6.		John J. Connors.	James A. Doherty.*	Michael J. McDonough.	Richard J. O'Neil.	Aaron Pinkofsky.	John A. Ryan.*	James H. Shannon.*
Precinct	1	19	190	145	35	39	167	242
"	2	29	157	153	61	77	187	210
"	3	22	129	165	45	35	176	189
"	4	54	113	111	106	56	143	153
"	5	54	104	83	35	137	127	134
Totals		178	693	657	282	344	800	928

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 7.		Thomas Emery.	Michael J. McColgan.*	Martin McGowan.	Neil McLaughlin.	James C. Murphy.*	Moses M. Reinherz.	John A. Rowan.*	Hyman Zarling.
Precinct	1	36	198	18	66	159	16	164	7
"	2	49	136	19	28	147	57	137	21
"	3	69	86	49	22	81	79	74	52
"	4	52	150	38	34	159	23	141	25
"	5	93	128	71	56	139	29	107	86
Totals		299	698	195	206	685	204	623	191

Ward 8.		Franklin U. Boyd.	William W. Farr.	Simon Hirshon.*	Francis J. Horgan.*	Daniel J. Kiley.*	Kent R. Neptune.	Scattering.
Precinct	1	114	104	137	134	130	106	
"	2	83	72	197	201	203	75	3
"	3	58	52	284	280	281	48	
"	4	49	37	230	226	222	32	
"	5	91	72	242	235	233	72	1
"	6	31	27	277	282	276	21	
Totals		426	364	1,367	1,358	1,345	354	4

Ward 9.		William H. Cook.	John J. Dolan.	John R. Foster.*	Stephen J. Moran.	Stanley Ruffin.*	Nelson I. Southwick.*	Scattering.
Precinct	1	120	125	253	111	231	234	3
"	2	80	82	261	77	237	256	
"	3	70	87	192	61	203	187	
"	4	122	160	262	123	234	245	
"	5	167	169	91	152	92	86	
Totals		559	623	1,059	524	997	1,008	3

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 10.		Alfred H. Colby.*	Aloysius B. Dooling.	Orville Douglass.	Calvin M. Lewis.*	Edward H. McGuire.*	Amos K. Tilden.	Scattering.
Precinct	1	259	40	65	260	231	73	2
"	2	247	86	85	243	234	99	
"	3	158	41	44	159	150	53	
"	4	128	130	130	125	117	132	
Totals		792	297	324	787	732	357	2

Ward 11.		Frank H. Briggs.*	Francis L. Coolidge.	George U. Crocker.*	Alfred F. Kinney.*	William A. McDevitt, Jr.	Scattering.
Precinct	1	252	154	261	144	30	4
"	2	259	130	267	161	26	
"	3	254	125	274	191	55	
"	4	209	100	222	156	31	
"	5	156	187	148	127	191	
"	6	186	175	163	164	227	
"	7	186	72	181	162	55	
"	8	302	78	292	278	53	
"	9	278	98	287	272	81	
"	10	340	90	347	301	50	
"	11	358	176	350	306	141	
Totals		2,780	1,385	2,792	2,262	940	4

Ward 12.		Timothy J. Butler.*	Michael T. Callahan *	John J. Falvey.*	John G. Flower.	William H. Hersey.	John Frank Keating.	John Kirk.	John J. McGonagle.
Precinct	1	117	108	122	16	14	50	20	139
"	2	145	127	160	31	21	72	44	112
"	3	171	164	145	21	22	103	37	93
"	4	152	222	142	80	68	69	86	115
"	5	94	90	62	148	142	46	151	79
Totals		679	711	631	296	267	340	338	538

* Elected.

**Votes cast for, Members of Common Council, City
Election, 1895.**

Ward 13.		Hugh W. Bresnahan.*	Lewis A. Cole.	James T. Mahony, Jr.*	M. Vincent Maloney.	Michael W. Norris.	Patrick J. O'Toole.*	Walter T. Rice.
Precinct 1.....		88	8	64	43	90	85	7
" 2.....		143	12	149	62	157	170	12
" 3.....		175	14	131	63	216	191	16
" 4.....		168	28	206	72	154	192	29
" 5.....		201	24	129	78	157	176	24
" 6.....		215	26	153	61	153	185	31
" 7.....		169	43	186	59	133	179	45
" 8.....		121	28	155	39	137	116	29
" 9.....		137	12	204	59	138	133	5
Totals.....		1,417	195	1,377	536	1,335	1,427	198

Ward 14.		John E. Baldwin.*	Frank H. Cross.	John H. Dunn.*	Frank R. Fitzgerald.	William P. Hickey.*	James Lewis.	Eugene G. Whittemore.
Precinct 1.....		226	37	218	60	218	71	63
" 2.....		307	28	278	70	274	68	64
" 3.....		318	50	323	43	324	34	32
" 4.....		198	33	218	138	212	142	146
" 5.....		178	52	202	134	181	163	171
" 6.....		151	65	156	150	146	175	193
" 7.....		130	61	140	159	132	179	200
" 8.....		159	83	172	182	171	208	225
" 9.....		228	29	239	103	232	106	116
" 10.....		206	23	214	88	219	90	100
" 11.....		151	44	155	127	152	146	157
" 12.....		157	63	161	130	154	160	158
Totals.....		2,409	568	2,476	1,384	2,415	1,542	1,625

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 15.		Edward C. Cadigan.*	Thomas F. Donovan.*	Alfred L. Groves.	John J. Mahoney.*	William H. Rule.	George L. York.
Precinct	1	239	242	26	244	34	26
"	2	257	249	34	261	40	30
"	3	229	225	114	232	117	109
"	4	179	180	119	169	121	120
"	5	249	231	126	216	120	112
"	6	241	240	97	232	105	102
"	7	167	183	83	170	100	98
"	8 ...	363	393	174	336	189	215
Totals.....		1,924	1,943	773	1,860	826	812

Ward 16.		Patrick Bowen.*	John Dugan.*	David H. Irving.	G. Irving Lovejoy.	David McCarthy.*	Max H. Newman.
Precinct	1	200	150	126	123	161	137
"	2	115	112	161	135	109	153
"	3	212	172	87	75	170	83
"	4	176	179	174	164	168	190
"	5	196	224	63	63	185	114
"	6	249	287	40	85	279	72
Totals.....		1,148	1,124	651	595	1,072	749

Ward 17.		George Y. Bancher.*	Frank H. Cowan.	Charles H. Innes.*	Cornelius J. Keyes.	Benjamin C. Lane.*	Andrew J. Patterson.
Precinct	1	201	86	203	66	191	62
"	2	255	96	228	55	238	94
"	3	206	107	193	82	193	82
"	4	172	94	169	81	172	78
"	5	123	174	130	185	131	179
"	6	79	254	82	255	94	248
"	7	140	138	148	133	133	119
"	8	53	188	51	185	62	182
Totals.....		1,229	1,137	1,204	1,042	1,204	1,044

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 18.		Francis J. Douglas.	Joseph J. Howe.	Sidney Moulthrop.*	Harry Newman.	G. Waldon Smith.*	Arthur G. Wood.*
Precinct	1	57	49	252	41	253	256
"	2	84	76	273	66	286	300
"	3	91	85	266	78	272	276
"	4	109	103	217	100	218	223
"	5	104	102	228	102	233	240
"	6	213	211	142	208	141	154
"	7	222	220	140	224	140	139
Totals		880	846	1,518	819	1,543	1,588

Ward 19.		Edgar P. Benjamin.	George W. Bennett.	Michael E. Gaddis.*	Thomas L. Noonan.*	Albert E. Taylor.	George O. Whittaker.*	Scattering.
Precinct	1	90	92	194	207	85	180	
"	2	48	45	116	129	45	129	
"	3	127	121	172	171	110	208	
"	4	166	153	108	119	156	126	
"	5	187	189	144	149	190	160	
"	6	203	209	151	167	201	171	2
"	7	112	119	244	257	119	237	
"	8	119	114	252	269	123	261	
"	9	85	72	185	193	78	187	
Totals		1,137	1,114	1,566	1,661	1,107	1,659	2

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 20.	Timothy L. Connolly.*	Warren H. Doolittle.	Charles E. Eddy.	Edwin S. Fields.	Jeremiah J. Good.	Timothy E. McCarthy.*	Patrick E. Riddle.*	Scattering.
Precinct 1.....	315	85	81	94	52	283	252	
" 2.....	239	52	68	72	48	232	201	
" 3.....	136	139	136	118	21	132	144	
" 4.....	123	193	201	149	31	123	124	
" 5.....	226	52	51	54	57	250	234	
" 6.....	230	62	55	85	48	242	225	
" 7.....	175	197	196	166	30	175	162	
" 8.....	243	101	106	104	37	239	257	
" 9.....	147	90	90	72	16	147	164	
" 10.....	95	293	294	225	26	84	127	1
" 11.....	47	278	285	200	21	43	63	
" 12.....	154	299	287	229	34	157	161	
" 13.....	305	163	147	142	35	296	310	
Totals.....	2,435	2,014	1,998	1,710	456	2,403	2,424	1

Ward 21.	Leopold Abraham.	Albert Garceau.	Samuel C. Jones.*	Alfred Newmarch.*	Albert C. Sawyer.*	William E. Young.	Scattering.
Precinct 1.....	72	63	211	213	217	66	
" 2.....	174	172	217	209	210	182	
" 3.....	69	86	229	223	221	69	
" 4.....	204	190	134	134	131	200	
" 5.....	268	251	142	127	129	285	
" 6.....	217	215	269	246	263	228	2
" 7.....	75	72	256	265	243	77	
" 8.....	55	42	253	253	245	85	
" 9.....	141	130	223	227	232	133	
" 10.....	154	136	352	345	343	150	
" 11.....	101	93	373	372	368	98	
" 12.....	157	162	348	338	334	162	
Totals.....	1,687	1,612	3,007	2,952	2,936	1,685	2

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 22.	Adolf C. Biewend.	Edward H. Costello.*	George Faul.	Charles Jacobs.*	Charles P. Nangle.*	Abraham T. Weinz.	Scattering.
Precinct 1.....	348	86	351	91	86	350	
" 2.....	91	116	139	114	107	98	
" 3.....	54	155	81	140	170	84	
" 4.....	37	199	53	180	182	83	
" 5.....	48	202	61	180	182	85	
" 6.....	31	300	41	318	308	72	
" 7.....	79	253	80	178	221	169	
" 8.....	105	250	109	257	198	161	
" 9.....	62	179	66	168	166	121	
" 10.....	176	213	198	273	194	217	2
Totals	1,031	1,953	1,179	1,899	1,814	1,440	2

Ward 23.	Charles W. Dennis.*	John J. Flynn.	Nicholas J. Grace.	George H. Johnson.	John A. Maier, Jr.*	Edward Orchard.*
Precinct 1.....	205	163	158	179	238	190
" 2.....	187	145	151	147	231	191
" 3.....	213	213	208	201	211	204
" 4.....	232	69	53	59	240	218
" 5.....	308	111	96	112	314	302
" 6.....	191	53	51	58	181	185
" 7.....	215	92	79	81	203	195
" 8.....	89	290	273	272	69	85
" 9.....	268	225	219	227	275	273
" 10.....	147	207	190	194	146	149
" 11.....	229	160	162	155	238	230
" 12.....	287	66	65	80	286	292
" 13.....	331	65	68	61	307	305
" 14.....	65	87	88	89	61	61
Totals.....	2,967	1,946	1,861	1,915	3,000	2,880

* Elected.

**Votes cast for Members of Common Council, City
Election, 1895.**

Ward 24.		Thomas C. Bachelder.*	Franklin L. Codman.*	Francis X. Mahoney.	James F. Skelly.	John F. Southwell.	Walter F. Strangman.*
Precinct	1.....	332	324	160	158	160	314
"	2.....	266	266	163	120	117	254
"	3.....	239	245	135	134	134	236
"	4.....	229	243	218	221	220	224
"	5.....	125	133	264	262	259	128
"	6.....	174	180	81	84	79	177
"	7.....	183	224	112	111	127	182
"	8.....	237	270	128	120	133	240
"	9.....	227	225	98	99	108	215
"	10.....	495	502	184	178	186	501
"	11.....	204	202	118	112	125	202
"	12.....	281	271	91	84	88	283
"	13.....	497	487	200	186	198	492
"	14.....	406	411	97	93	103	399
"	15.....	408	396	129	112	126	385
"	16.....	229	223	106	112	119	221
Totals		4,532	4,602	2,284	2,186	2,282	4,453

Ward 25.		Charles C. Barton, Jr.	Elmer E. Chain.*	Allen Clark, Jr.	William M. Farrington.*	Francis F. Morton.*	Robert Owen.
Precinct	1.....	162	307	180	302	311	197
"	2.....	75	358	72	356	364	72
"	3.....	249	233	224	239	259	206
"	4.....	249	76	288	74	75	270
"	5.....	274	234	271	227	213	263
"	6.....	183	198	181	222	219	171
Totals		1,192	1,406	1,216	1,420	1,441	1,179

* Elected.

**Votes cast for Street Commissioner, City Election, 1895.
Term three Years.**

Wards.	George H. Innis.*	Jeremiah Shaughnessy.	Arthur L. Spring..	All Others.
1.....	1,602	25	2,066	
2.....	1,881	25	706	
3.....	1,714	32	728	1
4.....	1,216	29	890	
5.....	1,440	29	778	
6.....	1,244	55	332	
7.....	833	33	259	
8.....	1,413	33	394	
9.....	592	21	1,094	
10.....	336	20	787	
11.....	928	69	2,592	
12.....	934	122	374	
13.....	2,112	150	291	
14.....	2,803	98	1,518	
15.....	2,024	166	710	
16.....	1,184	98	650	
17.....	1,108	45	1,242	
18.....	910	44	1,537	
19.....	1,747	76	1,073	
20.....	2,777	96	1,891	
21.....	1,818	56	2,931	
22.....	2,204	49	1,175	
23.....	2,113	79	2,894	
24.....	2,645	146	4,177	
25.....	1,189	26	1,448	
Totals.....	38,767	1,622	32,537	1

Proportion of men registered who voted, 79.72 per cent.

* Elected.

Number of Men reg-

(AS PER WARD OFFICERS' RETURNS OF NAMES CHECKED)

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1 ...	390	365	325	461	367	443	468	460	628
2....	445	315	468	370	370	381	495	.....	.....
3....	400	456	417	469	482	408	.....	.....	.....
4....	413	373	421	420	395	288	.....	.....	.....
5....	391	477	424	300	481	352	.....	.....	.....
6....	395	407	351	364	350	.....	.....	.....	.....
7....	269	249	225	251	294	.....	.....	.....	.....
8....	263	309	374	300	362	340	.....	.....	.....
9....	404	378	314	423	311	.....	.....	.....	.....
10....	331	355	219	279	.....	.....	.....	.....	.....
11....	304	304	319	258	354	414	244	366	406
12....	244	290	307	385	314	.....	.....	.....	.....
13....	166	300	335	383	321	338	346	277	311
14....	332	403	417	408	403	377	376	444	395
15....	305	327	380	333	394	388	309	624	.....
16....	380	338	338	411	329	385	.....	.....	.....
17....	300	350	315	296	350	372	304	268	.....
18....	323	382	389	339	362	399	399	.....	.....
19....	331	204	352	313	392	419	418	444	328
20....	457	347	314	357	352	371	449	413	287
21....	304	426	328	380	462	514	349	313	393
22....	483	268	287	313	299	400	386	446	310
23. ..	433	427	463	310	451	254	313	427	543
24....	517	413	401	492	450	295	335	416	344
25....	601	467	529	399	518	438	.....	.....	.....
Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....

Average per cent. of men registered who voted, 85.43.

Registered who Voted

ON VOTING LIST) AT MUNICIPAL ELECTION, 1895.

PRECINCTS.							Number of names checked.	Number registered.	Per cent. registered who voted.	Wards.
10.	11.	12.	13.	14.	15.	16.				
....	....	....	....	....	....	....	3,907	4,556	85.76	.... 1
....	....	....	....	....	....	....	2,844	3,262	87.18	.... 2
....	....	....	....	....	....	....	2,632	3,053	86.21	.... 3
....	....	....	....	....	....	....	2,310	2,755	83.85	.... 4
....	....	....	....	....	....	....	2,425	2,881	84.17	.... 5
....	....	....	....	....	....	....	1,867	2,152	86.76	.... 6
....	....	....	....	....	....	....	1,288	1,536	83.85	.... 7
....	....	....	....	....	....	....	1,948	2,203	88.42	.... 8
....	....	....	....	....	....	....	1,830	2,259	81.01	.... 9
....	....	....	....	....	....	....	1,184	1,434	82.57	.... 10
401	502	....	....	....	....	....	3,872	4,864	79.61	.... 11
....	....	....	....	....	....	....	1,540	1,827	84.29	.... 12
....	....	....	....	....	....	....	2,777	3,280	84.66	.... 13
352	345	370	....	....	....	....	4,622	5,348	86.42	.... 14
....	....	....	....	....	....	....	3,060	3,569	85.74	.... 15
....	....	....	....	....	....	....	2,181	2,630	82.93	.... 16
....	....	....	....	....	....	....	2,555	3,031	84.30	.... 17
....	....	....	....	....	....	....	2,599	3,057	84.82	.... 18
....	....	....	....	....	....	....	3,201	3,795	84.35	.... 19
418	343	489	519	....	....	....	5,116	5,831	87.74	.... 20
534	498	550	....	....	....	....	5,051	5,796	87.15	.... 21
513	....	....	....	....	....	....	3,705	4,305	86.06	.... 22
380	443	376	403	163	....	....	5,386	6,280	85.76	.... 23
728	349	398	725	530	549	363	7,305	8,492	86.02	.... 24
....	....	....	....	....	....	....	2,952	3,287	89.81	.... 25
....	....	....	....	....	....	....	78,151	91,483	.....

**Votes cast (Men and Women) for School Committee,
City Election, 1895.**

Wards.	THREE YEARS.								
	Willard S. Allen.*	Fanny B. Anies.*	I. Austin Bassett.*	David A. Collins.	William T. Eaton.*	Caroline E. Hastings.	Samuel F. Hubbard.*	Elizabeth C. Keller.*	Henry Lloyd.
1	2,665	2,699	2,615	1,462	2,618	1,525	2,623	2,583	1,518
2	936	892	872	1,825	845	472	840	817	1,835
3	1,094	1,052	1,035	1,536	1,025	693	997	968	1,605
4	1,211	1,146	1,142	1,096	1,138	698	1,126	1,112	1,136
5	1,031	989	960	1,357	961	595	963	939	1,362
6	309	271	262	1,283	252	124	282	237	1,132
7	275	260	250	783	251	129	267	228	807
8	479	472	484	1,803	444	226	440	403	1,366
9	1,296	1,316	1,192	540	1,165	651	1,243	1,188	603
10	900	890	855	800	834	435	865	833	801
11	3,014	3,027	2,719	905	2,606	1,747	2,857	2,742	988
12	453	435	401	954	895	745	405	414	998
13	294	281	268	2,136	811	144	275	269	2,173
14	2,469	2,426	2,325	2,500	2,420	1,700	2,322	2,287	2,556
15	1,184	1,141	1,090	1,930	1,151	810	1,084	1,068	1,985
16	753	725	700	1,137	682	414	677	683	1,189
17	1,507	1,481	1,365	1,013	1,382	903	1,389	1,358	1,045
18	1,955	1,927	1,835	837	1,817	1,209	1,853	1,797	864
19	1,392	1,339	1,311	1,679	1,274	823	1,264	1,240	1,713
20	2,450	2,422	2,336	2,666	2,294	1,545	2,346	2,287	2,734
21	3,850	3,837	3,620	1,697	3,485	2,420	3,649	3,561	1,774
22	1,394	1,361	1,269	2,104	1,248	808	1,265	1,226	2,086
23	3,531	3,590	3,333	1,963	3,278	2,211	3,354	3,506	2,149
24	5,387	5,332	5,234	2,376	4,966	3,296	5,138	5,051	2,496
25	1,786	1,775	1,731	1,110	1,648	1,040	1,701	1,645	1,153
Totals....	41,615	41,086	39,204	36,492	38,490	24,866	39,225	38,442	37,568

**Votes cast (Men and Women) for School Committee,
City Election, 1895.**

THREE YEARS.									Wards.
Isaac Louis.	Abbott L. Lowell.*	William F. Murray.	Isaac F. Paul.*	Conrad J. Rueter.	Samuel B. Shapleigh.	Willis W. Stover.	Frederick W. Stuart.	Scattering.	
1,470	1,525	1,480	1,578	1,455	2,487	1,510	1,355	.....	1
1,782	1,804	1,788	1,799	1,764	766	521	1,675	.....	2
1,566	1,613	1,610	1,614	1,544	925	652	1,549	.....	3
1,082	1,113	1,129	1,123	961	1,036	906	992	.....	4
1,314	1,363	1,377	1,363	1,319	876	680	1,234	.....	5
1,120	1,092	1,130	1,100	1,064	252	182	1,021	.....	6
840	802	825	807	785	236	197	714	.....	7
1,478	1,393	1,366	1,460	1,326	401	278	1,267	1	8
532	716	544	695	531	1,173	739	512	.....	9
273	347	277	378	289	830	536	278	.....	10
864	1,287	776	1,210	807	2,781	1,688	757	1	11
960	953	976	971	945	379	259	884	.....	12
2,119	2,147	2,180	2,115	2,102	243	206	1,951	1	13
2,457	2,552	2,538	2,578	2,478	2,204	1,089	2,417	.....	14
1,944	1,962	2,000	1,981	1,951	1,021	556	1,865	.....	15
1,172	1,138	1,143	1,167	1,139	654	423	1,064	.....	16
1,017	1,032	1,007	1,103	980	1,383	786	932	.....	17
830	906	807	995	836	1,789	986	751	.....	18
1,698	1,690	1,693	1,695	1,667	1,221	677	1,547	.....	19
2,619	2,751	2,651	2,806	2,607	2,254	1,247	2,493	1	20
1,704	1,967	1,640	1,977	1,754	3,478	1,842	1,607	.....	21
2,012	2,104	2,051	2,111	2,094	1,164	747	1,916	1	22
1,900	2,206	1,909	2,187	2,105	3,243	1,753	1,863	.....	23
2,308	2,650	2,320	2,744	2,354	4,962	2,760	2,235	.....	24
1,089	1,255	1,076	1,207	1,061	1,659	954	1,042	.....	25
36,150	38,368	36,293	38,764	35,918	37,417	22,176	33,921	5	

Registered Women Voters at Municipal

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	9	125	133	168	131	140	37	41	64
2....	27	36	36	27	22	23	48	.....	.....
3....	155	90	75	23	35	11	.....	.....	.....
4....	41	119	114	67	26	31	.....	.....	.....
5....	111	75	13	38	51	48	.....	.....	.....
6....	21	13	13	18	12	.....	.....	.....	.....
7....	2	.....	1	8	27	.....	.....	.....	.....
8....	27	27	13	2	12	.....	.....	.....	.....
9....	78	114	37	149	13	.....	.....	.....	.....
10....	84	42	24	15	.....	.....	.....	.....	.....
11....	31	29	42	53	79	26	74	132	78
12....	.....	9	16	33	46	.....	.....	.....	.....
13....	.....	2	.....	8	4	4	26	23	3
14....	35	41	15	89	68	108	156	166	49
15....	2	27	69	98	94	50	32	94	.....
16....	24	32	19	51	5	9	.....	.....	.....
17 ...	101	126	111	70	31	21	28	18	.....
18....	90	107	132	79	75	39	61	.....	.....
19....	21	13	36	38	46	64	48	81	19
20....	18	17	57	110	7	14	65	37	33
21....	94	114	100	64	53	78	118	142	109
22....	76	30	24	3	30	6	20	61	20
23....	55	71	81	78	92	73	93	9	72
24....	155	133	87	88	37	74	56	68	58
25....	77	96	112	23	53	79	.....	.....	.....
Total .....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Election, December 10, 1895.

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
.....	.....	.....	.....	.....	.....	.....	848	..... 1
.....	.....	.....	.....	.....	.....	.....	219	..... 2
.....	.....	.....	.....	.....	.....	.....	389	..... 3
.....	.....	.....	.....	.....	.....	.....	398	..... 4
.....	.....	.....	.....	.....	.....	.....	336	..... 5
.....	.....	.....	.....	.....	.....	.....	77	..... 6
.....	.....	.....	.....	.....	.....	.....	38	..... 7
.....	.....	.....	.....	.....	.....	.....	81	..... 8
.....	.....	.....	.....	.....	.....	.....	391	..... 9
.....	.....	.....	.....	.....	.....	.....	165	..... 10
111	78	.....	.....	.....	.....	.....	733	..... 11
.....	.....	.....	.....	.....	.....	.....	104	..... 12
.....	.....	.....	.....	.....	.....	.....	70	..... 13
67	89	100	.....	.....	.....	.....	983	..... 14
.....	.....	.....	.....	.....	.....	.....	466	..... 15
.....	.....	.....	.....	.....	.....	.....	140	..... 16
.....	.....	.....	.....	.....	.....	.....	506	..... 17
.....	.....	.....	.....	.....	.....	.....	583	..... 18
.....	.....	.....	.....	.....	.....	.....	366	..... 19
129	97	121	38	.....	.....	.....	743	..... 20
105	122	140	.....	.....	.....	.....	1,239	..... 21
45	.....	.....	.....	.....	.....	.....	315	..... 22
46	81	110	86	12	.....	.....	959	..... 23
120	70	67	123	163	123	62	1,484	..... 24
.....	.....	.....	.....	.....	.....	.....	440	..... 25
.....	.....	.....	.....	.....	.....	.....	12,073	

Number of Women registered
(AS PER WARD OFFICERS' RETURNS OF NAMES CHECKED)

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	7	96	107	137	108	103	27	29	53
2....	26	31	28	22	19	15	42	.....	.....
3....	126	67	54	13	29	10	.....	.....	.....
4....	28	97	91	52	20	19	.....	.....	.....
5....	87	49	11	22	40	30	.....	.....	.....
6....	17	12	10	18	9	.....	.....	.....	.....
7....	2	.....	1	7	20	.....	.....	.....	.....
8....	24	25	9	2	11	.....	.....	.....	.....
9....	49	86	25	93	9	.....	.....	.....	.....
10....	59	28	13	13	.....	.....	.....	.....	.....
11....	17	17	18	38	41	17	61	103	43
12....	.....	9	12	20	39	.....	.....	.....	.....
13....	.....	1	.....	5	4	2	17	18	3
14....	32	33	9	66	60	90	121	130	41
15....	0	23	56	81	75	41	23	71	.....
16....	16	18	16	33	4	8	.....	.....	.....
17....	78	83	80	51	24	19	15	13	.....
18....	64	73	106	64	51	39	50	.....	.....
19....	17	7	28	24	38	53	40	64	12
20....	12	12	48	76	3	7	47	29	29
21....	73	72	75	44	41	64	89	104	81
22....	51	18	20	1	21	4	14	39	18
23....	39	56	68	53	72	64	73	6	48
24....	114	106	74	64	23	51	51	48	45
25....	57	74	76	16	33	61	.....	.....	.....
Total.	.....	.....	.....	.....	.....	.....	.....	.....	.....

**who voted for School Committee
ON VOTING-LIST) AT MUNICIPAL ELECTION, 1895.**

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
.....	.....	.....	.....	.....	.....	.....	667	..... 1
.....	.....	.....	.....	.....	.....	.....	188	..... 2
.....	.....	.....	.....	.....	.....	.....	299	..... 3
.....	.....	.....	.....	.....	.....	.....	307	..... 4
.....	.....	.....	.....	.....	.....	.....	239	..... 5
.....	.....	.....	.....	.....	.....	.....	66	..... 6
.....	.....	.....	.....	.....	.....	.....	30	..... 7
.....	.....	.....	.....	.....	.....	.....	71	..... 8
.....	.....	.....	.....	.....	.....	.....	262	..... 9
.....	.....	.....	.....	.....	.....	.....	113	..... 10
70	54	.....	.....	.....	.....	.....	479	..... 11
.....	.....	.....	.....	.....	.....	.....	80	..... 12
.....	.....	.....	.....	.....	.....	.....	50	..... 13
58	78	80	.....	.....	.....	.....	798	..... 14
.....	.....	.....	.....	.....	.....	.....	370	..... 15
.....	.....	.....	.....	.....	.....	.....	95	..... 16
.....	.....	.....	.....	.....	.....	.....	363	..... 17
.....	.....	.....	.....	.....	.....	.....	438	..... 18
.....	.....	.....	.....	.....	.....	.....	283	..... 19
94	71	97	31	.....	.....	.....	556	..... 20
76	81	102	.....	.....	.....	.....	902	..... 21
49	.....	.....	.....	.....	.....	.....	235	..... 22
35	59	88	61	8	.....	.....	730	..... 23
89	49	44	100	120	99	39	1,116	..... 24
.....	.....	.....	.....	.....	.....	.....	317	..... 25
.....	.....	.....	.....	.....	.....	.....	9,049	

Average per cent. of women registered who voted, 74.95.

Votes cast on Question of License, City Election, 1895.

Wards.	Yes.	No.
1	1,892	1,641
2	1,578	872
3	1,380	934
4	1,137	825
5	1,344	790
6	930	442
7	705	321
8	1,141	544
9	967	578
10	646	402
11	2,450	1,004
12	807	482
13	1,498	795
14	2,483	1,674
15	1,577	1,079
16	1,180	609
17	1,313	854
18	1,400	902
19	1,659	1,092
20	2,715	1,669
21	2,798	1,784
22	2,195	1,002
23	2,771	2,001
24	3,540	3,058
25	1,542	1,002
Totals	41,648	26,866

Proportion of men registered who voted, 74.35 per cent.

ANNUAL REPORT
OF THE
ENGINEERING DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 10 — 1896.]

ENGINEERING DEPARTMENT, CITY HALL,
BOSTON, February 1, 1896.

HON. JOSIAH QUINCY,
Mayor of the City of Boston:

SIR: In compliance with the Revised Ordinances the following report of the expenses and operations of the department for the year ending January 31, 1896, is submitted:

The report of the work done by this department may be classified under the following heads:

A. — The examination and supervision of structural repairs of bridges, the designing and superintending the construction of new bridges, retaining-walls, city wharves, etc., and in miscellaneous engineering work called for by the City Council, the giving of lines and grades for property-owners and builders, the making of plans and profiles for the Street Commissioners, and the making of survey plans, etc., for the various city departments.

B. — Charge of the engineering work in connection with the Sudbury-river, Cochituate, and Mystic Water-Works, including charge of new constructions for these works.

C. — Charge of the construction of a system of intercepting and outlet sewers.

D. — Charge of the engineering work in connection with the parks.

E. — Charge of the engineering work, except for Sewer Division, in connection with the Street Department.

The expenses incurred under the head "C" are paid wholly from a special appropriation.

A.

The following is a statement of engineering expenses from February 1, 1895, to January 31, 1896 :

Amount of department appropriation for 1895-96	\$40,000 00
Transferred from Surveying Department	13,500 00
	<hr/>
	\$53,500 00
Amount expended from department appropriation for 1895-96	53,495 31
	<hr/>
Unexpended balance	\$4 69
	<hr/>

**STATEMENT OF EXPENDITURES, DEPARTMENT
APPROPRIATION.**

Object of expenditures :

Salaries of City Engineer, assistants, draughtsmen, transitmen, levellers, rodmen, etc.	\$47,059 81
Engineering instruments and repairs of same	691 21
Drawing-paper, and all materials for making plans	982 85
Stationery, printing-stock, note-books, postage, etc.	520 20
Printing	426 94
Reference library, binding books, and photographs of works	976 55
Expenses of Charlestown Bridge Committee, Travelling expenses (including horse-keeping, repairs on vehicles, etc.)	1,224 36
Telephone service	190 50
Furniture cases for plans and books, etc.	272 10
Blue-process printing	191 86
Incidental expenses, and all other small supplies	958 93
	<hr/>
Total	\$53,495 31
	<hr/>

By chapter 449, Acts of 1895, the Surveying Department was consolidated with the Engineering Department on July 1, 1895.

Appropriation for financial year 1895-96	\$35,000 00
Amount transferred to Street Laying-out Department by order of the City Council, dated June 26, 1895	\$2,053 56
Amount expended from February 1, 1895, to July 1, 1895	19,446 44
Amount expended from July 1, 1895, to February 1, 1896	13,497 11
	<hr/>
	34,997 11

The unexpended balance of \$13,500, remaining July 1, 1895, was transferred to the Engineering Department by order of the City Council, dated June 26, 1895.

The expenditures of the Surveying Department from February 1, 1895, to July 1, 1895, were as follows :

Salaries	\$17,581 81
Incidental expenses, viz., car-fares, ferry tolls, travelling expenses, and small supplies for office	571 72
Horse-hire, repairing carriage, etc.	540 34
Drawing-paper and materials, Report and information relating to public docks	160 35
Binding and repairing plans in volumes	128 62
Stationery, note-books, etc.	125 00
New instruments and repairing	112 61
Telephone	111 69
Furniture, repairs, etc.	60 00
Hardware	28 85
Books, directories, etc.	13 05
Printing	11 00
	1 40
	<hr/>
	\$19,446 44

IMPROVED SEWERAGE.

Total appropriations \$6,375,404 96

Statement of Expenses from February 1, 1895, to February 1, 1896.

Object of expenditure :

General office expenses	\$4,300 55
East Shaft Roadway	500 00
Section 7, Dorchester Intercepting Sewer .	300 00
“ 8, “ “ “ .	499 32
“ 9, “ “ “ .	3,960 70
“ 11, “ “ “ .	19,472 81
Neponset Intercepting Sewer	4,473 74

\$33,507 12

Loans negotiated (less		
\$67,500 transferred) .	\$6,308,664 03	
Revenue	66,740 93	
	<hr/>	\$6,375,404 96

Expended previous to February 1, 1895	\$6,307,754 96
Expended from February 1, 1895, to February 1, 1896, .	33,507 12
	<hr/>
	6,341,262 08

Balance February 1, 1896	\$34,142 88
------------------------------------	-------------

IMPROVED SEWERAGE CONSTRUCTION, 1895.

Tables showing the cost of the sewer sections in progress during the year 1895, and other miscellaneous work :

General Office Expenses.

Items of expenditure :

Salaries	\$3,094 19
Engineering instruments and repairs	116 42
Drawing-paper and materials for plans	7 88
Stationery and printing-stock	31 12
Travelling expenses	164 41
Telephone	30 00
Blue-process printing	19 02
Sundry small supplies	112 02
Office rent	522 69
Rubber clothing	20 80
Painting, electric wiring, etc., Room 67, City Hall	182 00
	<hr/>
	\$4,300 55

EAST SHAFT ROADWAY.

Item of expenditure :	
Displacement of tide-water (Com. of Mass.),	\$500 00
	<hr/>
	\$500 00
Expended previous to 1895 . . .	5,097 54
	<hr/>
	<u>\$5,597 54</u>

NEPONSET INTERCEPTING SEWER.

Items of expenditure :	
Bricks	\$38 80
Cements	71 20
Coal	26 24
Drain pipe	178 01
General supplies	235 19
Hardware	734 31
Insurance	130 00
Labor	2,452 19
Lumber	239 05
Sand and gravel	48 25
Teaming	66 50
Rent of machinery	254 00
	<hr/>
Total	<u>\$4,473 74</u>

SECTION 7, DORCHESTER INTERCEPTING SEWER.

Item of expenditure :	
Land damages, Jane W. Robinson . . .	\$300 00
	<hr/>
	\$300 00
Expended previous to 1895 . . .	37,403 89
	<hr/>
Total	<u>\$37,703 89</u>

SECTION 8, DORCHESTER INTERCEPTING SEWER.

Items of expenditure :	
Land damages, Thomas Mullen heirs . .	\$419 32
Miscellaneous	80 00
	<hr/>
	\$499 32
Expended previous to 1895 . . .	39,548 94
	<hr/>
Total	<u>\$40,048 26</u>

SECTION 9, DORCHESTER INTERCEPTING SEWER.

Items of expenditure :

Bricks	\$430 50
Drain pipe	18 39
Cement	135 75
Teaming	46 50
Coal	132 76
General supplies	171 44
Sand and gravel	311 15
Lumber	17 79
Labor	2,491 42
Construction damages	205 00
	<hr/>
	\$3,960 70
Expended previous to 1895	37,585 75
	<hr/>
Total	<u>\$41,546 45</u>

SECTION 11, DORCHESTER INTERCEPTING SEWER.

Items of expenditure :

Advertising	\$31 75
Bricks	1,543 48
Cement	833 30
Coal	124 28
Drain pipe	174 41
General supplies	1,037 69
Hardware	33 43
Insurance	130 00
Labor	14,566 47
Lumber	205 17
Miscellaneous	8 90
Rent of machinery	108 00
Rubber clothing	73 68
Sand and gravel	308 00
Teaming	263 50
Cut granite stones	30 75
	<hr/>
	<u>\$19,472 81</u>

ABOLISHMENT OF GRADE CROSSINGS.

Dover-street Bridge.

Expenditures from February 1, 1895, to February 1, 1896 :

Rent (Blacker & Shepards, wharf for passageway and repairing same after being used by the city)	\$490 00
Installing motor for draw (General Electric Co.)	373 17
	<hr/>
	\$863 17
Expended previous to 1895	129,590 15
	<hr/>
	<u>\$130,453 32</u>

REBUILDING BRIDGES TO WATERTOWN.

Appropriation, Western avenue and North Beacon street	\$18,000 00
Transferred August 1, 1894, to Franklin street tunnel, Brighton	1,500 00
	<hr/>
	\$16,500 00
Expended previous to February 1, 1895	10,983 64
	<hr/>
Balance February 1, 1896	<u>\$5,516 36</u>
No expenditure during the year of 1895.	

STATUES.

Robert G. Shaw Monument.

Appropriation, Robert G. Shaw monument, Items of expenditure :	\$19,500 00
Norcross Brothers, third, fourth, and fifth estimate on base and pedestal	\$5,595 49
	<hr/>
	\$5,595 49
Expended previous to 1895	11,928 40
	<hr/>
	17,523 89
	<hr/>
Balance February 1, 1896	<u>\$1,976 11</u>

John Boyle O'Reilly Monument.

Appropriation from Phillips Street-fund		
Income		\$3,500 00
Items of expenditure :		
John Harrington, steps and		
seats	\$1,629 00	
Pay Rolls, labor and teaming,	363 84	
Walker & Kimball, architects'		
commissions	167 90	
A. A. Libby & Co., labor and		
stock	140 25	
Curtis & Pope, cement	56 40	
	<hr/>	
	\$2,357 39	
Expended previous to 1895	1,000 00	
	<hr/>	
		3,357 39
		<hr/>
Balance February 1, 1896		\$142 61
		<hr/>

BRIDGES.

The annual inspection of all highway and foot bridges has been made, together with special examinations and inspections when notified by the Superintendent of Streets of the progress of repairs.

In the list of bridges, those marked with a star (*) are over navigable waters, and are each provided with a draw, the openings in which are shown in a table in Appendix A. The widths of the openings have been measured for this report.

I. — BRIDGES WHOLLY SUPPORTED BY BOSTON.

Agassiz bridge, in Back Bay Fens.

Allston bridge, over Boston & Albany Railroad, Brighton.

Arborway bridge, over Stony brook.

Ashland street, over Providence Division, N.Y., N.H., & H. R.R., West Roxbury.

Athens street, over New England Railroad.

Audubon road, over Boston & Albany Railroad.

Beacon street, over outlet to Back Bay Fens.

Beacon street, over Boston & Albany Railroad.

Berkeley street, over Boston & Albany Railroad.

Berkeley street, over Providence Division, N.Y., N.H., & H. R.R.

- Bernier-street foot-bridge (in the Riverway).
Berwick-park foot-bridge, over Providence Division, N.Y.,
N.H., & H. R.R.
Blakemore street, over Providence Division, N.Y., N.H.,
& H. R.R.
Bolton street, over New England Railroad.
Boylston street, in Back Bay Fens.
Boylston street, over Boston & Albany Railroad.
Bridle path in the Riverway, over Muddy river.
*Broadway, over Fort Point channel.
Broadway, over Boston & Albany Railroad.
Brookline avenue, over Boston & Albany Railroad.
Byron street, over Boston, Revere Beach, & Lynn Rail-
road.
*Castle-island foot-bridge, from Marine park, South Bos-
ton, to Castle island.
*Charles river, from Boston to Charlestown.
Charlesgate, Back Bay Fens, over Boston & Albany Rail-
road.
*Chelsea, South, over South channel of Mystic river.
*Chelsea street, from East Boston to Chelsea.
Circuit drive, over Scarboro' pond in Franklin park.
Columbus avenue, over Boston & Albany Railroad.
*Commercial point, or Tenean, Dorchester.
Commonwealth avenue, in Back Bay Fens.
*Congress street, over Fort Point channel.
Cornwall street, over Stony brook, West Roxbury.
Cottage Farm bridge, Brighton.
Cottage-street foot-bridge, over flats, East Boston.
Dartmouth street, over Boston & Albany Railroad and
Providence Division, N.Y., N.H., & H. R.R.
*Dover street, over Fort Point channel.
Ellicott arch, in Franklin park.
*Federal street, over Fort Point channel.
Fen bridge, Back Bay Fens.
Ferdinand street, over Boston & Albany Railroad.
Forest Hills entrance, in Franklin park.
Gold street, over New England Railroad.
Huntington avenue, over Boston & Albany Railroad.
Irvington-street foot-bridge, over Providence Division,
N.Y., N.H., & H. R.R.
*L street, over Reserved channel, South Boston.
Leverett-pond foot-bridge, in Leverett park.
Leyden street, over Boston, Revere Beach, & Lynn Rail-
road.
Linden Park street, over Stony Brook.
*Malden, from Charlestown to Everett.

- Massachusetts avenue, over Boston & Albany Railroad.
Massachusetts avenue, over Providence Division, N.Y.,
N.H., & H. R.R.
*Meridian street, from East Boston to Chelsea.
*Mount Washington, over Fort Point channel.
Neptune road, over Boston, Revere Beach, & Lynn Rail-
road.
Newton street, over Providence Division, N.Y., N.H., &
H. R.R.
Public Garden foot-bridge.
Roxbury Crossing foot-bridge, over Providence Division,
N.Y., N.H., & H. R.R.
Scarboro' pond foot-bridge (in Franklin park).
Shawmut avenue, over Boston & Albany Railroad.
Stony brook, Back Bay Fens.
Swett street, east of New England Railroad.
Swett street, west of New England Railroad.
*Warren, Boston to Charlestown.
West Rutland square foot-bridge, over Providence Divis-
ion, N.Y., N.H., & H. R.R.
Winthrop, from Breed's island to Winthrop.

II. — BRIDGES OF WHICH BOSTON SUPPORTS THE PART WITHIN ITS LIMITS.

- Bellevue street, in the Riverway, over Muddy river.
Bernier-street foot-bridge, in the Riverway, over Muddy
river.
Brookline avenue, in the Riverway, over Muddy river.
*Cambridge street, from Brighton to Cambridge.
Central avenue, from Dorchester to Milton.
*Chelsea, North, over North Channel, Mystic river.
*Essex street, from Brighton to Cambridge.
*Granite, from Dorchester to Milton.
Longwood avenue, from Roxbury to Brookline.
Mattapan, from Dorchester to Milton.
Milton, from Dorchester to Milton.
*Neponset, from Dorchester to Quincy.
*North Beacon street, from Brighton to Watertown.
*North Harvard street, from Brighton to Cambridge.
Spring street, from West Roxbury to Dedham.
Tremont street, in the Riverway, over Muddy river.
*Western avenue, from Brighton to Cambridge.
*Western avenue, from Brighton to Watertown.

III. — BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST OF MAINTENANCE.

Albany street, over Boston & Albany Railroad.
*Canal, from Boston to Cambridge.
Chelsea bridge, over the Boston and Maine Railroad.
Dorchester street, over Old Colony Division, N.Y., N.H., & H. R.R.
Everett street, over Boston & Albany Railroad, Brighton.
*Harvard, from Boston to Cambridge.
*Prison Point, Charlestown to Cambridge.
*West Boston, from Boston to Cambridge.
West Fourth street, over Old Colony Division, N.Y., N.H., & H. R.R.

IV. — BRIDGES SUPPORTED BY RAILROAD CORPORATIONS.

1st. — Boston & Albany Railroad.

Harrison avenue.
Market street, Brighton.
Tremont street.
Washington street.

2d. — Boston & Maine Railroad, Western Division.

Main street.
Mystic avenue.

3d. — Boston & Maine, Eastern Division.

Main street.
Mystic avenue.

4th. — Boston, Revere Beach, & Lynn Railroad.

Everett street.

5th. — New England Railroad.

Broadway.
Dorchester avenue.
Fifth street.
Fourth street.
Harvard street, Dorchester.
Morton street, Dorchester.
Norfolk street, Dorchester.
Norfolk street, Dorchester.

Second street.
 Silver street.
 Sixth street.
 Third street.
 Washington street, Dorchester.

*6th. — New York, New Haven, & Hartford Railroad,
 Old Colony Division.*

Adams street.
 Ashmont street and Dorchester avenue.
 Cedar Grove cemetery.
 Commercial street.
 Savin Hill avenue.

7th. — N. Y., N. H., & H. R. R., Providence Division.

Beech street, West Roxbury.
 Bellevue street, West Roxbury.
 Canterbury street, West Roxbury.
 Centre street, or Hog bridge.
 Centre and Mt. Vernon streets.
 Dudley avenue.
 Park street.

RECAPITULATION OF BRIDGES.

I.	Number wholly supported by Boston	65
II.	Number of which Boston supports that part within its limits	18
III.	Number of which Boston pays a part of the cost of maintenance	9
IV.	Number supported by railroad corporations :	
1.	Boston & Albany	4
2.	Boston & Maine, Western Division	2
3.	“ “ Eastern Division	2
4.	Boston, Revere Beach, & Lynn Railroad	1
5.	New England Railroad	13
6.	N. Y., N. H., & H. R. R., Old Colony Division,	5
7.	“ “ Providence Division,	7
	Total	126

Agassiz-road Bridge (in Back Bay Fens).

This bridge was built in 1887, of brick and stone masonry. It is maintained by the Park Department, and is in good condition.

Albany-street Bridge (over the Boston & Albany R.R.).

This is an iron bridge; the present structure was built in 1886-87. It is maintained in part by the city of Boston and in part by the Boston & Albany Railroad Company.

No painting has been done to the iron-work below the floor since the bridge was built; it is therefore in a very rusty condition. As parts of the lower flooring need renewing, it is recommended that this bridge be thoroughly cleaned and painted this year.

Allston Bridge (over the Boston & Albany R.R., Brighton).

This is an iron bridge built in 1892. The portion under the floor should be painted this year.

Arborway Bridge (over Stony Brook, in Parkway, near Forest Hills Station).

This is a wooden bridge resting on abutments of vulcanized spruce piles. The stringers and under-planking are of vulcanized hard-pine. It was built in 1893, and is maintained by the Park Department.

Ashland-street Bridge (over Providence Division, N.Y., N.H., & H. R.R., West Roxbury).

The present structure is of iron, and was built in 1875. The iron-work is in good condition, but the fences are poor and should be rebuilt.

Athens-street Bridge (over New England R.R.).

This is an iron bridge, built in 1874. It should be painted and the sidewalks repaired.

Audubon-road Bridge (over the Boston & Albany R.R.).

This is a steel plate girder bridge, built in 1893-94, and is in good condition. It is maintained by the Park Department.

Beacon-street Bridge (over Outlet of Back Bay).

This is an iron bridge, built in 1880-81. It is in fair condition.

Beacon-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1884-85, widened in 1887-88, and the central roadway further widened in 1890 for the

convenience and at the expense of the West End Street Railway Company. The wooden facias and wheel-guards should be repaired and the upper portions of the bridge painted.

Bellevue-street Bridge (over Muddy River, in the Parkway).

This is a segmental masonry arch of 44 ft. span and 15 ft. rise. The foundation is of concrete, the face walls of seam-faced granite, and the arch of brick. It was built in 1893 by the Park Departments of Boston and Brookline, and is maintained jointly by them.

Bernier-street Foot-bridge (over Bridle Path, in Riverway).

This is a semicircular masonry arch of 38 feet 4 inches span. The foundations are of concrete, the exposed face walls of seam-faced granite, and the arch is of brick, the face brick being buff-colored. It was built in 1893, and is maintained by the Park Department.

Bernier-street Foot-bridge (over Muddy River).

This is a segmental masonry arch of 52 feet span and 14 feet rise. The foundations are of concrete, the exposed face walls are of seam-faced granite, and the arches of brick. It was built in 1893 by the Park Departments of Boston and Brookline, and is maintained jointly by them.

Berkeley-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1891, and is now in good condition. The portion of the bridge under the floor begins to show signs of rust, and should be painted next year. The railing put up in 1892 received but one coat of paint; this has now nearly disappeared, and the iron is rusting very badly. The recommendations made last year, that this be painted and that the temporary railing at the north-easterly corner be replaced by a more permanent fence, are repeated this year.

Berkeley-street Bridge (over Providence Division, N.Y., N.H., & H. R.R.).

This bridge has been reported for a number of years to be in bad condition, and only such repairs as seemed absolutely necessary have been made.

Berwick-park Foot-bridge (over Providence Division, N. Y., N. H., & H. R. R.).

This is an iron foot-bridge, erected in 1894. The iron stairs and piers were new, but the trusses and floor-beams were those built at Franklin street in 1883. It is in good condition.

Blakemore-street Bridge (over Providence Division, N. Y., N. H., & H. R. R.).

This is an iron bridge. It was built in 1881-82, and is in good condition.

Bolton-street Bridge (over New England R. R.).

This is a wooden bridge, built in 1889. The fences should be painted and sanded.

Boylston-street Arch Bridge (in Back Bay Fens).

This is a stone arch bridge, built in 1881. It is in good condition.

Boylston-street Bridge (over Boston & Albany R. R.).

This is an iron bridge, built in 1886-88. During the past year the lower floor was taken off and the iron-work cleaned and painted. A new hard-pine lower floor was put on, and the bridge is now in good condition, with the exception of the fascia, which should be put in good order.

Bridle-path Bridge, in the Riverway (over Muddy River).

This is a masonry bridge of three arches; the central arch is elliptical in form, with a span of 30 feet and a rise of 9 feet 6 inches; the side arches are semicircular, 15 feet in diameter. The face work is of seam-faced granite and the arches are of brick. It was built in 1894 and is maintained by the Park Department.

Broadway Bridge (over Fort Point Channel).

This is an iron bridge. It was built in 1869-71, and the draw and its foundation were rebuilt in 1874-75. The bridge was temporarily strengthened so as to allow electric cars to use it in 1893. The lower chords of the trusses over the railroad have been boxed in, a new sidewalk has been built on the city side of the Lehigh-street span, the upper part of the bridge has been painted two coats, and minor re-

pairs have been made. The deck of the draw needs renewal, the draw foundation needs pointing, and the draw should be adjusted so it can be reversed.

The draw and draw foundations are otherwise in good condition and present a creditable appearance; the remaining parts of the bridge are old and patched and should be rebuilt.

Broadway Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1880-81. An examination of this bridge was made in October, 1895, in consequence of which a report was sent to the Street Department recommending that the iron-work below the floor be painted at once. As the new floor of hard-pine laid in 1892 would not require renewing for five or six years at least, it was further recommended that the painting be done from the under side, even if it should be found necessary to have the work done on Sundays, the additional expense being warranted by the rapid wasting of the structure in its present condition. Nothing, however, has been done as yet towards carrying out these recommendations.

In the annual report for 1892, in alluding to the new floor put on this bridge, attention is called to the folly of putting an under floor on a low bridge over a railroad where there is much traffic, which will last more than four years, because of the rapid deterioration of the iron unless it is frequently cleaned and painted, and this work is not usually done except when the lower floor is renewed. The fence on this bridge is in poor condition, and should be repaired as recommended in last year's report.

Brookline-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1884. It is now in good condition. There is a guy attached to one of the top chords of this bridge, and as the truss has no top lateral bracing there is nothing to prevent the chord being thrown out of alignment.

Brookline-avenue Bridge (over Muddy River, in the Riverway).

This is a semicircular masonry arch of 15 feet span. The abutments and face walls are of granite, resting on a pile and timber foundation. The face walls are of seam-faced granite. The arch is of brick. It was built in 1892 by the Park Departments of Boston and Brookline, and is maintained by them jointly.

Byron-street Bridge (over Boston, Revere Beach, & Lynn R.R.).

This is a wooden bridge, built in 1889. The roadway plank is in poor condition and will need attention.

Cambridge-street Bridge (from Brighton to Cambridge).

This is a wooden pile bridge with a wooden leaf draw. The city maintains the part within its limits. It was rebuilt in 1884 ; the draw was rebuilt in 1891. The draw-pier is too short to accommodate the larger class of vessels that the widening of the draw-way allows to pass through the bridge. A new boat, a buoy, and a better house should be provided at this bridge ; the fender-guard, pier, and water-way need repairing. The deck of the bridge is getting old and will need watching.

Canal or Craigie's Bridge.

This is a wooden pile bridge, with wooden turn-table draw. The city pays one-half the cost of maintenance. The bridge was originally built in 1808, was rebuilt in 1852, and again rebuilt and widened in 1874. The bridge is in the care of a commission, consisting of one commissioner from Boston and one from Cambridge. The down-stream sidewalk and fence on the draw have been rebuilt, several bents on the Cambridge end of the bridge have been capped and braced, and other ordinary repairs made by the aid of the men employed on the bridge. The flooring of the sidewalks near the Cambridge end and the paving are in bad condition. The water-way needs repairing by driving a few piles, re-fastening the spur shores and wales, and the addition of some planking, and some of the blocks on the draw need renewal.

Castle-island Foot-bridge (from Marine Park to Castle Island).

This is a temporary foot-bridge built in 1892, and is maintained by the Park Department. It connects the Marine park with Castle island, and is furnished with a draw, so that, if desired by the United States authorities, the island can be cut off from the shore. The fencing needs painting and the draw needs setting up. Otherwise the bridge is in good condition.

Central-avenue Bridge (over Neponset River, Dorchester Lower Mills).

This is an iron bridge, and was built in 1876. The city maintains the part within its limits. The bridge should be stripped and painted, the wood-work renewed, and the abutment pointed.

Charles-river Bridge (from Boston to Charlestown).

This is a wooden pile bridge with an iron draw. The present bridge was built in 1854-55; the draw was built in 1870. The draw foundation and draw have been repaired, and one bent of piles that was settling has been strengthened by driving additional piles. The main part of the bridge is now in safe condition, but the piers and water-ways need repairing, the end of the easterly draw pier being in a dangerous condition and too short.

See page 145.

Charlesgate (in Back Bay Fens, over Boston & Albany R. R.).

This is an iron bridge, and was built in 1881-82. It is maintained by the Park Department.

See page 118.

Chelsea Bridge (over Boston & Maine R.R.).

This bridge extends from Chelsea Bridge North to Chelsea Bridge South, over the location of the Boston & Maine Railroad, and was built by the railroad company in accordance with a decree of the Superior Court, under chap. 374 of the Acts of 1892.

This bridge is a deck plate girder bridge of 21 spans from 40 ft. to 70 ft. in length, with trestle post supports resting on masonry piers. It has one stone-paved roadway 45 ft. wide between curbs, and one plank sidewalk 8 ft. wide. Public travel was turned over the bridge at the time of the opening of the draw in Chelsea Bridge North to travel, December 28, 1895. The surface of this bridge is to be maintained and kept in repair by the city.

Chelsea Bridge North (over North Channel, Mystic River).

The city maintains the part within its limits. The original structure was built in 1802-3; the piles of the present bridge were driven in 1880.

That part of the bridge above the caps from the abutment to within about 86 feet of the draw has been rebuilt by the Boston & Maine Railroad. The draw and draw foundation and the upper part of the remainder of the bridge belonging to the city have been rebuilt by this department.

See page 146.

Chelsea Bridge South (over South Channel, Mystic River).

This is a pile bridge, with an iron draw. The original bridge was built in 1802-3. The piles of the present bridge were driven, and the draw was built, in 1877. That part of the bridge above the girder caps has been rebuilt at a higher grade, and the draw raised, by the Boston & Maine Railroad.

The draw has been painted, and has an entire new floor of hard-pine stringers and a calked deck of kyanized spruce. This work was done by the Street Department.

Chelsea-street Bridge (from East Boston to Chelsea).

This is a pile bridge, with an iron swing draw; the original bridge was built in 1834; was rebuilt in 1848, 1873, and again in 1894-95. The new bridge was opened to team travel February 26, 1895. The bridge is in good condition.

Circuit-drive Bridge (over Scarboro' Pond, in Franklin Park).

This is an elliptical masonry arch of 30 feet span and 6 feet 3 inches rise. The abutments are of granite ashlar, backed by concrete; the face walls are of seam-faced granite, and the arch is of brick. It was built in 1893, and is maintained by the Park Department.

Columbus-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1876-77. The iron-work below the floor is somewhat rusty; otherwise the bridge is in good condition. As reported last year, "It is still made an anchorage for telegraph-pole guys," which should be removed.

Commercial Point or Tenean Bridge (Dorchester).

This is a wooden pile bridge, with a wooden leaf draw. The present bridge was built in 1875. A new deck of 4-inch spruce has been put on the pile bridge, and the fences have

been repaired. The stringers on the bridge and draw are not in good condition, and the draw should be rebuilt. The bulkhead at the Boston end is in a dangerous condition, and the draw machinery should be put in repair.

Commonwealth-avenue Bridge (in Back Bay Fens).

This is an iron bridge. It was built in 1881-82, and is in good condition.

Congress-street Bridge (over Fort Point Channel).

This is a wooden pile bridge, with an iron turn-table draw on a stone foundation, and was built in 1874-75. The under floor of the bridge should be thoroughly repaired. It should be uncovered so that its condition can be ascertained, and it is probable that it will require an entirely new floor under the sidewalk and roadway. Part of the sidewalk and roadway is in need of immediate repairs. The upper part of the pier should also be uncovered and examined, and will probably need extensive repairs. The landings of the draw need rebuilding. The sidewalk, bulkhead, and fencing are poor and several of the piles are rotten at the top. The track, wheels, and other portions of the turn-table are badly worn and require constant attention. Extensive repairs are needed to put the draw in condition to meet the heavy service it is called upon to perform. The wood-work at the ends of the draw is badly split and should be repaired.

Cornwall-street Bridge (over Stony Brook, West Roxbury).

This is a small wooden bridge, built in 1892. It is in good condition, except that the outlets for water are insufficient, the bridge being at the foot of the grade at either end.

Cottage Farm Bridge (over B. & A. R.R., Brighton).

See page 147.

Cottage-street Foot-bridge (over Flats, East Boston).

This is a wooden pile bridge, built in 1889 for foot travel only. Several pieces of cross-bracing that have been carried off by the ice should be replaced, and others that are soft or split at the ends should either be refastened or replaced. The floor plank needs renewing in several places, and a few fence rails at the ends of the bridge should be renewed. The bridge is otherwise in good condition.

Dartmouth-street Bridge (over B. & A. R.R. and Providence Division, N.Y., N.H., & H. R.R.).

This is an iron bridge, built in 1878-79. The bridge should be painted, and the wooden boxing around the ends of the floor-beams should be repaired. The network of wires which has been placed on this bridge disfigures it badly and should be removed.

Dorchester-street Bridge (over Old Colony Division, N.Y., N.H., & H. R.R.).

This is an iron bridge, built in 1869. It is principally maintained by the railroad company, and was repaired in 1893 as thoroughly as it could be without building new girders.

Dover-street Bridge (over Fort Point Channel).

This was originally a wooden pile bridge, built in 1805, rebuilt in 1858-59, and again in 1876. In 1893-94, upon the abolition of the grade crossing of the Old Colony Railroad, the present iron structure, resting on masonry piers, was built. The bridge is in good condition. A portion of the foundation of the old draw was not removed at the time the present bridge was built, and its very dilapidated condition is not in keeping with the rest of the bridge.

Ellicott-arch Bridge (in Franklin Park).

This is a semicircular masonry arch of 17 feet 6 inches span. It was built in 1889, and is maintained by the Park Department.

Essex-street Bridge (from Brighton to Cambridge).

The city maintains the part within its limits. This is a wooden pile bridge, with a wooden leaf draw, and was originally built in 1850; the draw was rebuilt in 1891. This is an old bridge and is in poor condition. Steps have been taken by the City Council, in connection with the city of Cambridge, looking toward building a new bridge in another location. Meanwhile this bridge should be watched and kept in safe condition.

Everett-street Bridge (over B. & A. R.R., Brighton).

This is an iron bridge, built in 1891, by the Boston & Albany Railroad. It is in good condition.

Federal-street Bridge (over Fort Point Channel).

This is a wooden pile bridge, with a double retractile iron draw, and was rebuilt in 1891-92. The upper part and sides of the bridge and the buildings have been painted. New rolls are needed for the cables, and the machinery under the wharf on the Boston side should be protected from slush, if the dumping of snow from the wharf is to be continued. The bridge is in good condition.

Fen Bridge (in Back Bay Fens).

This bridge was built in 1891-92. It is in good condition.

Ferdinand-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1892. The lower planking should be renewed, and the iron-work below cleaned and painted. The fence on the north-west retaining-wall adjoining the bridge, which was badly injured by fire in 1891, has never been properly repaired. When any work is done at the bridge, this fence should be put in good order.

Forest Hills Entrance Bridge (in Franklin Park).

See page 120.

Gold-street Bridge (over New England R.R.).

See page 147.

Granite Bridge (from Dorchester to Milton).

This is a wooden pile bridge with a wooden leaf draw. The city maintains the part within its limits. The bridge was originally built in 1837. The sidewalk plank needs renewal; the abutment should be repaired, and the fences on the draw need painting; otherwise the bridge is in fair condition.

Harvard Bridge (from Boston to Cambridge).

This is an iron bridge with an iron turn-table draw, and was built in 1887-91. The bridge is in the care of two commissioners, one appointed from Boston and one from Cambridge, and the expense of maintenance is borne equally by each city. The roadway of the bridge for its entire length was sheathed in October, 1895. The surface of the sidewalks is badly cracked, and the recommendation in the last annual report is here renewed, that the contractors who

put down the asphalt be required to restore these walks to a satisfactory condition, in compliance with their guarantee. No painting has been done during the past year, and with the exception of the fences, which were painted in 1893, nothing has been done to the iron-work in the line of painting since the bridge was built. The recommendation of last year, that it be cleaned and painted this year, is here repeated.

Huntington-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge. It was built in 1872, and in 1876-77 the abutments were rebuilt and the bridge widened by the addition of two new girders. Plans have been prepared for a new floor for this bridge which will conform to the new grade of the avenue, and the work will be commenced early in the coming season.

*Irvington-street Foot-bridge (over Providence Division,
N. Y., N. H., & H. R. R.).*

This is an iron foot-bridge, built in 1892. It is in good condition.

L-street Bridge (over Reserved Channel, South Boston).

This is a wooden pile bridge with an iron retractile draw. It was built in 1892. The blocking for the engine needs refastening, and the draw needs painting.

Leverett-pond Foot-bridge (in Leverett Park).

This is a segmental masonry arch of 24 feet span and 5 feet 5 inches rise. The abutments are of concrete, faced with granite; the exposed face-work is of seam-faced granite, and the arch is of brick. It was built in 1894, and is maintained by the Park Department.

*Leyden-street Bridge (over Boston, Revere Beach, &
Lynn R. R.).*

This is an iron bridge, built in 1889. The sidewalk floor should be renewed and the fence rails painted; the roadway plank should be examined.

Linden Park-street Bridge (over Stony Brook).

This is a wooden bridge, built in 1887. It is in fair condition.

Longwood-avenue Bridge (from Roxbury to Brookline).

This is a wooden bridge, supported by wooden posts, and was built in 1877. The portion of the bridge maintained by Boston is in very poor condition, and must be watched carefully to keep it in a safe condition for travel. The construction of Riverdale Park, which the bridge crosses, will hasten, it is hoped, the removal of this bridge.

Malden Bridge (from Charlestown to Everett).

The present structure was built in 1875 and the draw in 1892. Only minor repairs have been made. The draw runs hard, and it should be adjusted. The cross-bracing, fender-guard, fences, and sidewalk are in very poor condition; the draw-piers are old, weak, and are too short.

Massachusetts-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1876. It was thoroughly repaired in 1893, with the exception of the wooden fences. Both fences are now somewhat decayed, and that on the westerly side has been pulled out of line by a telegraph pole which is attached to the girder. The recommendation made last year is repeated this year, that, as other means are available for supporting the telegraph wires now on this bridge, they should be removed without further delay.

Massachusetts-avenue Bridge (over Providence Division, N. Y., N.H., & H. R.R.).

This is an iron bridge, built in 1876. It is in good condition.

Mattapan Bridge (from Dorchester to Milton).

The city maintains the part within its limits. This is an old iron bridge and is in a dangerous condition, and it should be replaced by a stone bridge.

Meridian-street Bridge (from East Boston to Chelsea).

This is a wooden pile bridge, with a wooden turn-table draw on a pile foundation. The original structure was built in 1858. It was rebuilt soon afterwards, and was widened and rebuilt in 1884, excepting the draw, which was built in 1875-76. The draw is in a dangerous condition, and should be replaced by a new structure; during the year it became necessary to reinforce one of the trusses, which had begun to cripple. The draw-piers are in poor condition; the con-

crete sidewalks, water-ways, fence on draw, and cross-bracing on bridge need repairs.

Milton Bridge (from Dorchester to Milton).

The city maintains the part within its limits. The original structure is very old. It was widened in 1871-72. The older part of this bridge was built of stone, and the widening is an iron structure on stone columns. The sidewalks need repairs; otherwise the bridge is in fair condition.

Mt. Washington-avenue Bridge (over Fort Point Channel).

This is a wooden pile bridge with an iron draw. It was built in 1854, and rebuilt in 1870-71. This is the only draw of importance in the city that is moved by hand power. The draw-pier is in poor condition, and it is so low that it is covered with water at every high course of tides. The pavement, the concrete, the sidewalk flooring on the draw, and the fender guard are in poor condition. The water-ways should be repaired, and the draw should be adjusted so it can be reversed.

Neponset Bridge (from Dorchester to Quincy).

The city maintains the part within its limits. The original structure was built in 1802, and the present one in 1877. The draw is too heavy to be handled by hand, and should be replaced by a turn-table draw.

The electric cars now run over the bridge, shooting across the draw with the trolley down, as the upper railroad work is in poor condition and the jar disarranges the machinery; the street-car rails at the draw are not of proper lengths and interfere with the latches, and leave openings where they join the bridge.

The sidewalk, latches, and piers need repairing and the iron draw needs painting, and the railroad work should be put and kept in order.

Neptune-road Bridge (over Boston, Revere Beach, & Lynn R.R.).

This is an iron bridge, built in 1887-88, and is maintained by the Park Department. It is in good condition.

Newton-street Bridge (over Providence Division, N.Y., N.H., & H. R.R.).

This is an iron bridge, built in 1872. It is in good condition, excepting the concrete sidewalks, which should be resurfaced.

North Beacon-street Bridge (from Brighton to Watertown).

The city maintains the part within its limits. This is a wooden pile bridge with a wooden leaf draw. The original structure was built in 1822, and the present one in 1884. A new deck of 4-inch spruce has been put on the bridge. The flooring on the pier is in poor condition, and the sidewalk plank needs renewal. An old unused telephone pole on the bridge should be removed.

North Harvard-street Bridge (from Brighton to Cambridge).

The city maintains the part within its limits. This bridge was originally built in 1662, and was rebuilt in 1879. The draw was rebuilt in 1891. The roadway plank needs renewal, and the tops of some of the piles are decaying; the fence on the bridge needs repairing, and the abutment is in poor condition, to which attention has been called in previous reports.

Prison Point Bridge (from Charlestown to Cambridge).

The city pays one-half of the cost of maintenance. This bridge was originally built in 1833, and the present structure was built in 1876-77. It is a wooden pile bridge, with an iron leaf draw. The bridge is in the care of commissioners, consisting of one commissioner from Boston and one from Cambridge. It is in poor condition. Only ordinary repairs, such as planking and sheathing, have been made on the bridge. The draw is in bad condition and needs a thorough repairing. The question of abolishing the grade crossing on the Boston & Maine Railroad, which adjoins the bridge, is under discussion. If this should be accomplished by carrying the highway over the railroad, it would involve the rebuilding of the bridge. For this reason only such repairs have been made as were absolutely necessary for safety.

Public Garden Foot-bridge.

This is an iron bridge. It was built in 1867, and was thoroughly repaired in 1887. In fair condition except the floor, which needs renewal.

*Roxbury Crossing Foot-bridge (over Providence Division,
N. Y., N. H., & H. R. R.)*

See page 149.

Scarboro' Pond Foot-bridge (in Franklin Park).

This is an elliptical masonry arch of 40 feet span and 8 feet 3 inches rise. The face work is of quarried face Roxbury

stone, and the arch is of brick. It was built in 1893, and is maintained by the Park Department.

Shawmut-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1871. The whole under portion of this bridge needs painting. The report of last year in regard to the unsightly bend in the ornamental parapet caused by the electric-wire pole of the West End Street Railway Company still remains true.

Spring-street Bridge (from West Roxbury to Dedham).

This is a stone bridge. The city maintains the part within its limits. It is in good condition.

Stony-brook Bridge (Back Bay Fens).

This is an ornamental brick arched bridge, with stone facings, built in 1891-92, and maintained by the Park Department. It is in good condition.

Swett-street Bridges (over South Bay Sluices.)

These are wooden bridges, and were built in 1875. They are temporary structures and are in poor condition. The bulkheads that support the adjoining sluices are very much out of shape, and may require repairs at any time. The roadways of these bridges have been kept in safe condition, but as bridges they are of but little value.

Tremont-street Bridge (over Muddy River).

This is a semicircular masonry arch of 15 feet span. The foundation is of concrete, the abutments of granite ashlar backed with concrete. The side walls are of seam-faced granite, and the arch is of brick. It was built in 1893, and is maintained by the Park Departments of Boston and Brookline.

Warren Bridge (from Boston to Charlestown).

This is a wooden pile bridge, with a double retractile iron draw. The present structure was built in 1883-84. The sidewalk on the down-stream side and at the entrance to Fitchburg Railroad yard, the fender-guard, the draw-piers, the deck of the draw and the block-stone pavements are in poor condition. The top and sides of the draw have been painted, and ordinary repairs have been made.

West Boston Bridge (from Boston to Cambridge).

This bridge is in the care of two commissioners, one from Boston and one from Cambridge. The city pays one-half of the cost of maintenance. This is a wooden pile bridge, with a wooden turn-table draw. The bridge was originally built in 1792-93, was rebuilt in 1854, and repaired in 1871. This is an old, weak bridge, and is in an unsafe condition. This bridge, and Canal and Prison Point bridges, are in the care of the same commission, and are kept in usable condition only by constant care. Three bents of piles on the Cambridge side of the draw have been strengthened by driving twelve oak piles and capping and bracing the bents, and the ordinary repairs have been made.

West Fourth-street Bridge (over Old Colony Division, N. Y., N.H., & H. R.R.).

In 1893-94 the grade crossing of the Old Colony Railroad on this street was abolished and an iron bridge built, extending from the end of Dover-street bridge at the South Boston side of Fort Point channel to the easterly line of Foundry street. The bridge consists of six spans resting on masonry piers; each span has three pony trusses, spaced 21 feet 6 inches on centres, dividing the bridge into two roadways 18 feet 6 inches wide in the clear and two sidewalks each 10 feet wide. The entire wearing-surface of the bridge, sidewalks as well as roadways, is covered with spruce plank; that on the roadway was renewed in October, 1895, although the bridge had been opened to travel but ten months. The expense of maintaining this wearing-surface, under the act abolishing grade crossings, devolves upon the city of Boston.

West Rutland-square Foot-bridge (over Providence Division, N. Y., N.H., & H. R.R.).

This is an iron foot-bridge, built in 1882. The stair-treads are badly worn and should be renewed. The sidewalks in Rutland square at the foot of the stairs are too low and should be regraded.

Western-avenue Bridge (from Brighton to Cambridge).

The city maintains the part within its limits. The present bridge was built in 1879-80, and the draw in 1891. The deck of the bridge, sidewalk, and fence are in a poor condition. The floor beams at the rear of the draw-arms should be screw-bolted to the girder-caps, the tops of a few piles are

rotten, the fender-guard and water-way need repairs, the draw-pier is too short and out of repair.

Western-avenue Bridge (from Brighton to Watertown).

The city maintains the part within its limits. This is a wooden pile bridge, with an iron draw, and was rebuilt in 1892-93. It should be painted.

Winthrop Bridge (from Breed's Island to Winthrop).

This is a pile bridge, without a draw. It was originally built in 1839, it was rebuilt in 1851, and was extensively repaired in 1870. The sidewalk, which was damaged by ice early in the year, will be repaired as soon as the weather permits.

BRIDGES WHOLLY SUPPORTED BY RAILROADS.

The bridges over the Boston & Albany Railroad maintained by that company are in a good or fair condition, and require no special report, with the exception of the Washington-street bridge. In the report of last year, attention was called to the impossibility of making a reasonable estimate of the strength of the girders supporting the sidewalks of this bridge. During the past year, the corrosion of the iron has continued and more of the web has disappeared. Unless the railroad company rebuilds this portion of the bridge at once, as recommended last year, it would seem that the safety of those who are obliged to use this bridge demands that the floor be taken up, and a thorough examination made, with a view to devising some means of strengthening these sidewalks, as it cannot be considered at present in a perfectly safe condition.

The Norfolk-street bridge, over the New England Railroad, near Dorchester Station, is a narrow bridge in poor condition, and the wood-work of Adams-street bridge, over the N.Y., N.H., & H. R.R., should be repaired.

SURVEYING DIVISION.

The Surveying Department was consolidated with the Engineering Department, July 1, 1895 (chapter 449 of the Acts of the Legislature), and the Street Commissioners were, with the approval of His Honor the Mayor, appointed in charge of the new division of the Engineering Department.

Soon after the consolidation of the department the City Hall office of the Surveying Division was taken by the Water

Department, and the plans, 22,000 in number, together with all the note books, instruments, supplies, tables, desks, etc., were moved from the City Hall to Room 24 in the Old Court House. The "Dorchester branch office," so called, was also moved from Rooms 20 and 21 to Room 23 in the Old Court House, and the plans and note books were so arranged that they are easy of access. This work required considerable time and care, but now that the main force of the Surveying Division is located in connecting rooms on one floor the arrangement is found to be much more convenient and satisfactory.

The custom of copying all official plans and binding them into volumes, which had been the practice since the City Surveyor's office was established, was changed July 1, and since then all official plans have been made on tracing-cloth, copies being directly obtained by blue printing, thus saving considerable time and expense.

The boundary line between Boston and Brookline was changed by chapter 242 of the Acts of 1894, amended by chapter 485 of the Acts of 1894. It was necessary to carefully survey the line, commencing at Commonwealth avenue near Naples road and ending at a point near the Newton Circuit Division of the Boston & Albany Railroad, south of Reservoir lane, a distance of $2\frac{6.5}{100}$ miles; this work was done during the month of October; some forty monuments were set in their proper places in the new line, and an accurate description made.

Maps of the new wards as established under an ordinance of the City Council, approved by the Mayor, April 30, 1895, showing precinct lines as established under an order of the Board of Aldermen, dated July 1, 1895, are being prepared for the Printing Department. Also a set of maps on a large scale, showing new wards and precincts, is being prepared for the Board of Election Commissioners.

The great amount of work accomplished during the summer months in giving lines and grades on the avenues recently extended, relocated, widened, etc., by the Board of Street Commissioners, Columbus avenue, Huntington avenue, Blue Hill avenue, Commonwealth avenue, and Brighton avenue, not only for the Sewer and other City Departments, but to enable abutters to move their houses and fences back to the new lines, kept the several surveying parties steadily employed. More lines and grades have been given by the department during 1895 than in any other year since the great fire of 1872.

The work of the grade department was largely increased the past year on account of the demands of builders for

grades on the new lines of these great avenues, many of the buildings having been either sent back to the new street-lines or moved to new situations.

The Sewer Division makes numerous requests for systems of catch-basins to be devised for the streets on which they are drawing plans for new sewers, and frequently the Paving Division asks for the location of additional catch-basins where this department is called upon to make an examination and give approval as to location, requiring an inspection of the street and of the grade plans before the location of the catch-basins can be decided upon.

Many of the assessment plans for sidewalk construction are made during the winter months when there are few orders for outside work. This also applies to the work on plans where construction of streets has been ordered by the Board of Street Commissioners under chapter 323 of the Acts of 1891 and amendments thereto.

Considerable progress has been made on the plans for the revision of grades of streets intersected by the new boulevards, the grades of nearly all the cross-streets being slightly different from the grades established for these avenues, and it consequently becomes necessary to establish new grades for these streets.

Considerable time is devoted to the examination of plans and profiles of private ways submitted by property-owners to the Board of Street Commissioners for their approval, and the grades are examined and frequently revised.

Architects and builders apply for the grade of streets upon which they are to construct buildings; the grade being used by them for drawing plans. To obtain this information often takes considerable time in looking up data from old records and plans.

During the year many public buildings have been staked out for contractors working under the Public Buildings department, additions have been made to many of the lot plans on file in that office, plans and copies of plans have been prepared for the Law Department, etc., etc., and quite an amount of miscellaneous work has been attended to that cannot be classified under any particular head.

The following list gives the number of orders attended to for property-owners and builders and the various city departments, from July 1, 1895, to February 1, 1896:

Street lines given	.	.	.	.	.	.	452
Street grades given	.	.	.	.	.	.	389
Street Department, Paving Division	.	.	.	.	.	.	793
Street Department, Sewer Division	.	.	.	.	.	.	185

Buildings Department ¹	3,020
Public Buildings Department	44
Public Grounds Department	11
Police Department	6
Law Department (accident plans)	40
Street Commissioners, plans for laying out streets, school-house lots, etc.	132
	<hr/> 5,072

The following tables show the amount of paving work measured by the Surveying Division for the years 1894 and 1895, by months :

	Feet of Edgestone.	Sq. Yds. Bl'k Stone Paving and Cross- ings.	Sq. Yds. R'nd St'ne Paving.	Sq. Yds. Brick Pav- ing.	Sq. Yds. Artificial Stone Walks.	Sq. Yds. Asphalt Paving.	Sq. Yds. Coal Tar Concrete.
1894.							
April	306	142					
May	2,248	466	723	270			4,146
June	6,752	2,697	2,045	1,830		900	
July	98	29		27	157	336	1,312
August	1,545	226	527	558		70	907
September	2,245	2,063	56				
October	2,702	2,710	190	392	619	100	4,675
November	2,633	1,600	724	1,639	150		699
December	4,183	1,689	906	1,173	3,006		
1895.							
January	775	295		270			
Totals	23,487	12,007	5,175	6,168	3,902	1,406	11,738

¹ The greater part of the orders from the Buildings Department are applications for building and repairing permits that are examined daily in relation to street lines and grades, with a view of preventing encroachments over street lines and the erection of buildings at incorrect grades.

	Feet of Edgestone.	Sq. Yds. Bl'k Stone Paving and Cross- ings.	Sq. Yds. R'nd St'ne Paving.	Sq. Yds. Brick Pav. ing.	Sq. Yds. Artificial Stone Walks.	Sq. Yds. Asphalt Paving.	Sq. Yds. Coal Tar Concrete.
1895.							
April						282	
May	5,216	2,600	327	1,089	805	655	
June	6,791	2,856	1,482	3,348	2,561	257	
July	8,294	1,968	1,922	2,046	1,451	10	
August	13,247	4,730	4,667	8,662	1,358	13	183
September	12,360	6,627	5,355	6,110	1,477	12	
October	25,648	11,640	5,371	15,120	2,651	68	
November	35,980	20,888	8,512	23,470	1,129		
December	20,692	8,925	4,866	9,045	504		
1896.							
January	1,166	235	448	311			
Totals	129,383	60,472	32,940	68,701	12,296	1,297	183

As a matter of record, the following list is given of the work done for the Paving Division of the Street Department, where lines and grades were given and paving work measured during 1895 :

EAST BOSTON (INCLUDING BREED'S ISLAND).

Bennington street, from Saratoga street to Walley street.

Line and grade given for filling.

Blackinton street, from Walley street to Leyden street.

Line and grade given for filling.

Brooks street, between White street and Eutaw street.

Edgestone, gutter and sidewalk paving measured.

Byron street, between Saratoga street and Pope street.

Line and grade given for sidewalk at No. 67.

Byron street, between Bennington street and Saratoga street.

Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.

East Eagle street, between Putnam street and Prescott street.

Edgestone, sidewalk and gutter paving measured.

Eutaw street, between Marion street and Brooks street.

Edgestone, sidewalk and gutter paving measured.

Falcon street, between Brooks street and Putnam street.

Line and grade for edgestone.

- Gladstone street*, at and near Walley street. Line and grade given for gutter paving.
- Leyden street*, at and near Walley street. Gutter paving measured.
- Marion street*, westerly corner Chelsea street. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.
- Maverick street*, corner of Orleans street. Sidewalk and new crossing measured.
- Maverick street*, near Cottage street. Line and grade given for edgestone at No. 230.
- Meridian street*, at Falcon street. Sidewalk and crossing measured.
- Monmouth street*, between Brooks street and Marion street. Edgestone, gutter and sidewalk paving measured.
- Putnam street*, between Trenton street and White street. Edgestone, gutter and sidewalk paving measured.
- Putnam street*, at No. 172. Line and grade for edgestone. Sidewalk paving measured.
- Saratoga street*, between Putnam street and Prescott street. Edgestone, gutter and sidewalk paving measured.
- Saratoga street*, between Bennington street and Boston, Revere Beach, & Lynn Railroad. Line for fence. Line and grade for street grading.
- Saratoga street*, between Moore street and Boston & Albany Railroad. Line and grade for edgestone. Edgestone, gutter and sidewalk paving measured.
- Saratoga street*, between Moore street and Byron street. Line and grade for edgestone. Edgestone, sidewalk and gutter paving measured.
- Saratoga street*, between Byron street and Wordsworth street. Gutter paving measured.
- Saratoga street*, between Chelsea street and Bremen street. Edgestone, gutter and sidewalk paving measured.
- Sumner street*, at No. 537. Line and grade for edgestone.
- Trenton street*, between Brooks street and Prescott street. Edgestone, gutter and sidewalk paving measured.
- Walley street*, between Leyden street and Gladstone street. Gutter paving measured.
- West Eagle street*, between Border street and Meridian street. Line and grade for edgestone.
- West Eagle street*, between Meridian street and Brooks street. Edgestone and gutter paving measured.
- White street*, between Trenton street and Putnam street. Edgestone, gutter and sidewalk paving measured.

CHARLESTOWN.

Albion place. Edgestone, sidewalk and gutter paving measured.

Boyle street. Grade and line for edgestone.

Bunker Hill street, Main street to Sackville street. Edgestone, gutter and sidewalk paving measured.

Chelsea street, Foss street to Chestnut street. Edgestone and sidewalk paving measured.

Chelsea street, Vine street to Scotts court. Edgestone and roadway paving measured.

Essex street, Grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Foss street. Edgestone, sidewalk and gutter paving measured.

Mill street. Sidewalk paving measured.

Mishawum street, Main street to Rutherford avenue. Edgestone, sidewalk and gutter paving measured.

Monument square, High street to Tremont street. Edgestone, sidewalk and gutter paving measured.

School street, Main street to Summer street. Edgestone, sidewalk and gutter paving measured.

Tibbetts Town Way. Grade given and sidewalk paving measured.

Wapping street. Edgestone, sidewalk and gutter paving measured.

Warren street, near Winthrop street. Edgestone and sidewalk paving measured.

Winthrop street, between Wallace court and Warren street. Edgestone, sidewalk and gutter paving measured.

Rutherford avenue, at Mishawum street. Edgestone, sidewalk and roadway paving measured.

SOUTH BOSTON.

Baldwin street, between Granite street and A street. Line and grade given for sidewalk. Edgestone, gutter, roadway, driveway, and sidewalk paving measured.

Bellflower street, at and near Dorchester avenue. Line and grade given for sidewalk.

D street, between West Seventh street and West Eighth street. Line and grade given for sidewalk. Edgestone, gutter, roadway, crossing, and sidewalk paving measured.

Dorchester avenue, at and near Swett street. Edgestone, gutter and sidewalk paving measured.

Dorchester avenue, between West Broadway and Fort Point channel. Roadway paving measured.

- East Fifth street*, at the north-west corner of H street. Line and grade given for edgestone.
- East Second street*, between L street and M street. Line and grade given for edgestone at No. 723.
- East Third street*, between I street and K street. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.
- F street*, between West Seventh street and West Eighth street. Edgestone, gutter and sidewalk paving measured.
- H street*, between East Second street and East Third street. Line and grade given for sidewalk at Nos. 35, 37, 39.
- O street*, between East First street and East Second street. Line and grade for sidewalk given and edgestone measured.
- Richards street*, between Granite street and A street. Line and grade given for sidewalk. Edgestone, gutter, roadway, and sidewalk paving measured.

BOSTON PROPER.

- Albany street*, at City Hospital. Measurement of asphalt repairs.
- Appleton street*, at Columbus avenue. Edgestone, sidewalk and gutter paving measured.
- Ash street*. Measurement of asphalt repairs.
- Atlantic avenue*, west side, from Broad street to India street. Line and grade given. Edgestone and sidewalk paving measured.
- Beacon street*, from Arlington street to Clarendon street. Edgestone, sidewalk and gutter paving measured.
- Beacon street*, from Clarendon street to Dartmouth street. Cross-walk and gutter paving measured.
- Beacon street*, at No. 224. Measurement of artificial stone sidewalk.
- Bendalls Lane*. Measurement of sidewalk paving.
- Bennett street*. Measurement of asphalt repairs.
- Bond street*. Edgestone and sidewalk paving measured.
- Boylston street*, northwest side, from Gloucester street to Hereford street. Edgestone, sidewalk and gutter paving measured.
- Boylston street*, from Massachusetts avenue to Parker street. Line and grade given for resetting edgestone. Edgestone, sidewalk and gutter paving measured.
- Bradford street*. Edgestone, sidewalk and gutter paving measured.

- Brattle street.* Asphalt repairs measured.
- Bristol street,* Nos. 6 to 8. Measurement of roadway repaving.
- Buckingham street,* from Dartmouth street to Columbus avenue. Edgestone, sidewalk and gutter paving measured.
- Burbank street.* Edgestone, sidewalk and block-stone roadway paving measured.
- Chandler street,* at Castle Square Hotel. Sidewalk paving measured.
- Chandler street,* from Berkeley street to Dartmouth street. Line and grade given to reset edgestone. Edgestone, sidewalk and gutter paving measured.
- Clarendon street,* north side, from Chandler street to Lawrence street. Edgestone, sidewalk and gutter paving measured.
- Clark street.* Asphalt repairs measured.
- Columbus avenue.* Asphalt repairs measured.
- Commonwealth avenue,* at east corner of Beacon street. Brick sidewalk measured.
- Congress street and Congress square.* Line and grade for edgestone, and for asphalt block paving, at the Worthington building.
- Cooper street.* Asphalt repairs measured.
- Corning street.* Asphalt repairs measured.
- Court square.* Asphalt repairs measured.
- Court street.* Asphalt repairs measured.
- Dartmouth street,* at Commonwealth avenue. Measurement of crossing repaved.
- Dartmouth street,* at Marlborough street. Measurement of gutter and crossing paving.
- Dartmouth street,* at Commonwealth avenue. Measurement of gutter and crossing paving.
- Dartmouth street,* at corner of Huntington avenue. Edgestone, sidewalk and roadway paving measured.
- Derne street,* at State House. Measurement of sidewalk paving.
- Dover street,* between Harrison avenue and the bridge. Edgestone, sidewalk and roadway paving measured.
- East Canton street,* from Washington street to Harrison avenue. Edgestone, gutter and sidewalk paving measured.
- East Newton street,* Nos. 88 to 98. Edgestone, gutter and sidewalk paving measured.
- Endicott street.* Measurement of asphalt repairs.
- Essex place.* Edgestone and block-stone roadway paving measured.
- Exchange place.* Asphalt repairs measured.

Fairfield street, from Beacon street to Marlborough street.

Sidewalk repaving measured.

Falmouth street, at Norway street. Edgestone, gutter and cross-walk paving measured.

Faneuil Hall square, Nos. 54 to 60. Measurement of sidewalk paving.

Federal street, No. 221. Measurement of sidewalk paving.

Hancock street, at State House extension. Measurement of sidewalk paving.

Hanson street, from Tremont street to Shawmut avenue.

Edgestone, crossings, gutter and sidewalk paving measured.

Harvard street, from Harrison avenue to Whitmore street.

Roadway repaving measured.

Haviland street, at east corner of Turner street. Line and grade given for edgestone, and sidewalk paving measured.

Harrison avenue, near East Concord street. Measurement of asphalt repairs.

Huntington avenue, at east corner of Massachusetts avenue.

Measurement of gutter paving.

Irving street, north corner of Myrtle street. Line and grade given for edgestone. Sidewalk paving measured.

Kirkland street, from Pleasant street to Corning street. Measurement of edgestone, crossings, gutter and sidewalk repaving.

Kilby street, at Milk street. Measurement of asphalt repairs.

Lawrence street, at north corner of Clarendon street. Edgestone, gutter and sidewalk paving measured.

Lincoln street, southeast side from Tufts street to Essex street.

Line and grade given for edgestone. Edgestone and sidewalk paving measured.

Massachusetts avenue, between Harrison avenue and Albany street. Measurement of edgestone ; gutter and sidewalk repaving measured.

Massachusetts avenue, Nos. 159 to 161. Sidewalk repaving measured.

Milford street, from Tremont street to Shawmut avenue.

Edgestone, gutter, crossing, and sidewalk repaving measured.

Mystic street, from East Canton street to Hamburg street.

Edgestone, sidewalk and block-stone repaving measured.

Newbury street, between Arlington street and Clarendon

street. Edgestone, gutter and sidewalk paving measured.

- Newbury street*, from Clarendon street to Hereford street.
Gutter and cross-walk paving measured.
- Newbury street*, from Hereford street to Massachusetts avenue. Edgestone, gutter, cross-walk, and sidewalk paving measured.
- North street*, at No. 6. Measurement of artificial stone sidewalk.
- Northampton street*, at Watson street. Edgestone, gutter and sidewalk paving measured.
- North Bennet street*. Measurement of asphalt repairs.
- North Margin street*. Measurement of asphalt repairs.
- Noyes place*, from Salem street. Edgestone, sidewalk and block-stone roadway paving measured.
- Oak street*, from Hudson street to Albany street. Edgestone, sidewalk and roadway paving measured.
- Oxford street*, from Essex street to Beach street. Edgestone, gutter and sidewalk paving measured.
- Parker street*, from Boylston street to Westland avenue. Edgestone, gutter and sidewalk paving measured.
- Pembroke street*, from Warren avenue to Shawmut avenue. Edgestone, gutter, cross-walk, and sidewalk paving measured.
- Poplar street*. Measurement of asphalt repairs.
- Pinckney street*, No. 58. Measurement of sidewalk paving.
- Ringgold street*, from Waltham street to Hanson street. Edgestone, gutter and sidewalk paving measured.
- St. Botolph street*, Nos. 163 to 187. Edgestone, gutter and sidewalk paving measured.
- St. Botolph street*, at Follen street. Measurement of cross-walk paving.
- St. Charles street*, from Chandler street to Boston & Albany Railroad. Edgestone, gutter and sidewalk paving measured.
- St. James avenue*. Edgestone, gutter and sidewalk paving measured.
- St. Stephen street*. Edgestone, gutter and sidewalk paving measured.
- South Russell street*, at west corner of Myrtle street. Line and grade given for edgestone. Edgestone and sidewalk paving measured.
- State street*, No. 99. Measurement of sidewalk paving.
- Thacher street*. Measurement of asphalt repairs.
- Tileston street*. Measurement of asphalt repairs.
- Turner street*, at Haviland street. Line and grade given for edgestone, and sidewalk paving measured.
- Warren avenue*, from Berkeley street to Columbus avenue. Line and grade given for edgestone. Edgestone, gutter, cross-walk, and sidewalk paving measured.

- Warrenton street.* Measurement of asphalt repairs.
- Washington street, No. 1050.* Edgestone and sidewalk paving measured.
- Water street.* Measurement of asphalt repairs.
- Watson street, westerly side.* Edgestone, gutter and sidewalk paving measured.
- Wellington street, from Columbus avenue to Carleton street.* Edgestone, gutter and sidewalk paving measured.
- West Canton street, from Columbus avenue to Carleton street.* Edgestone, gutter and sidewalk paving measured.
- West Canton street, from Washington street to Appleton street.* Edgestone, gutter, cross-walk, and sidewalk paving measured.
- Westland avenue, Nos. 65 to 81.* Edgestone, gutter and sidewalk paving measured.
- Wiggin street.* Measurement of asphalt repairs.

ROXBURY.

- Alaska street.* Gutter and sidewalk paving measured.
- Amory street, from Stony brook to Amory avenue.* Line and grade given for filling.
- Arklow street, from Walden street to Gay Head street.* Line and grade given for construction of extension.
- Aspen street, westerly side, at angle.* Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Bartlett street, westerly corner of Washington street.* Sidewalk paving measured.
- Bay State Road, Nos. 7, 9, and 13.* Sidewalk paving measured.
- Beacon street, corner of Deerfield street.* Sidewalk paving measured.
- Beacon street, at No. 875.* Sidewalk paving measured.
- Beacon street, westerly corner of Raleigh street.* Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Beacon street, easterly corner of Commonwealth avenue.* Line and grade given for edgestone. Edgestone, gutter, and sidewalk paving measured.
- Beacon street, corner of Audubon road.* Crossing paving measured.
- Beacon street, corner of Mountfort street.* Crossing paving measured.
- Beacon street, at Audubon circle.* Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

- Blue Hill avenue*, southwesterly corner of Gaston street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Blue Hill avenue*, easterly side, near Dove street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Bower street*, at Nos 113 and 117. Sidewalk paving measured.
- Brook avenue*, at Nos. 101 and 103. Sidewalk paving measured.
- Bri nswick street*, corner of Warren street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Buena Vista avenue*, from Warren street to Fenno street. Edgestone, gutter and sidewalk paving measured.
- Burney street*, from Tremont street to Delle avenue. Line and grade given for edgestone.
- Calumet street*, from Tremont street to Hillside street. Line and grade given for resurfacing.
- Cobden street*, from Washington street to Walnut avenue, south-westerly side. Edgestone, gutter and sidewalk paving measured.
- Cobden street*, at No. 29. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Cobden street*, easterly corner of Washington street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Cobden street*, at No. 1. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Crawford street*, southwesterly side, from Warren street to Humboldt avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Crawford street*, at No. 43. Sidewalk paving measured.
- Crawford street*, north and west corners of Harold street. Line and grade given for edgestone. Edgestone, gutter, and sidewalk paving measured.
- Crawford street*, westerly side, near Harold street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Cunard street*, north and west corners of Tremont street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Cunard street*, southerly corner of Tremont street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Cunard street, from Tremont street to Cabot street. Line and grade given for filling.

Deerfield street, northerly corner of Beacon street. Edgestone, gutter and sidewalk paving measured.

Devon street, at Nos. 5, 9, and 10. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Dudley street, southerly corner of West Cottage street. Sidewalk paving measured.

Dudley street, at Nos. 579 and 583. Sidewalk paving measured.

Eldora street, from Sunset street to Hillside street. Line and grade given for edgestone. Edgestone and gutter paving measured.

Elm Hill avenue, from No. 89 to No. 95. Edgestone, gutter and sidewalk paving measured.

Elm Hill avenue, north side, between Wenonah street and Howland street. Line and grade given for edgestone. Sidewalk paving measured.

Elm Hill avenue, southeast side, between Waumbeck street and Howland street. Sidewalk paving measured.

Elm Hill avenue, northerly corner of Howland street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Fairbury street, north side, from Blue Hill avenue to Rand street. Edgestone, gutter and sidewalk paving measured.

Fenno street, at "church." Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Fenno street, both sides, at and near Rockland street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Francis street, from Binney street to Brookline avenue. Edgestone, gutter and sidewalk paving measured.

Gaston street, at No. 12. Sidewalk paving measured.

Gaston street, south-westerly corner of Warren street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Gaston street, south side, from Blue Hill avenue to angle. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Georgina street, westerly corner of Maple street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

Greenville street, from Dudley street to Winthrop street. Edgestone, gutter and sidewalk paving measured.

- Greenwich street*, crossing paving measured.
- Gurney street*, northerly corner of Tremont street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Hammett street*, corner of Grinnell street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Hammond street*, at Nos. 10 to 16. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Hammond street*, southerly corner of Cabot street. Sidewalk paving measured.
- Harold street*, north-westerly side, from Crawford street to Ruthven street. Line and grade given for edgestone.
- Harold street*, easterly corner of Homestead street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Harold street*, south-easterly side, near Ruthven street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Harold street*, southerly corner of Ruthven street. Edgestone, gutter and sidewalk paving measured.
- Harrison avenue*, from No. 879 to No. 885. Sidewalk paving measured.
- Harrison avenue*, from Zeigler street to Dudley street. Edgestone, gutter and sidewalk paving measured.
- Hazelwood street*, from Townsend street to Munroe street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Highland street*, easterly corner of Thwing street. Sidewalk paving measured.
- Hillside street*, from Wait street to Parker Hill avenue. Line and grade given for edgestone.
- Holborn street*, south side, between Blue Hill avenue and Gannett street. Line and grade given for edgestone, and paving measured.
- Holborn street*, at Nos. 31, 33, and 34. Sidewalk paving measured.
- Holworthy street*, at Walnut avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Homestead street*, north-east side, near Harold street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Homestead street*, easterly corner of Harold street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.

- Howard avenue*, at No. 5. Sidewalk paving measured.
- Howard avenue*, at Nos. 113 and 115. Edgestone, gutter and sidewalk paving measured.
- Howland street*, between Elm Hill avenue and Humboldt avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Howland street*, north-east side, near Elm Hill avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Howland street*, northeast corner of Elm Hill avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Hulbert street*, near Ray street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Humboldt avenue*, corner of Townsend street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Hunneman street*, west side, between Washington street and Harrison avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Ivy street*, in front of new block. Sidewalk paving measured.
- Judson street*, from West Cottage street to Julian street. Edgestone, gutter and sidewalk paving measured.
- Leon street*, from Ruggles street, easterly side. Edgestone, gutter and sidewalk paving measured.
- Leon street*. Line and grade given for edgestone.
- Leyland street*, from No. 5 to No. 9. Edgestone, gutter and sidewalk paving measured.
- Longwood avenue*, from Brookline avenue to Riverway. Edgestone, gutter and sidewalk paving measured.
- Longwood avenue*, westerly corner of Wigglesworth street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Madison street*, from Washington street to Shawmut avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Mansur street*, corner of Schiller street. Line and grade given for edgestone. Edgestone and gutter paving measured.
- Maple street*, southerly corner of Wayne street. Sidewalk paving measured.
- Maple street*, corner Georgia street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Marcella street*, easterly side of Highland street. Line and

- grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Maywood street*, from Warren street to Hazel park. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Maywood street*, north side, from Hazel park to angle near Blue Hill avenue. Line and grade given for edgestone. Edgestone and gutter paving measured.
- Mill street*, westerly corner of Rockland street. Sidewalk paving measured.
- Moreland street*, westerly corner of Whiting street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Morley street*, from Highland street. Edgestone, gutter and sidewalk paving measured.
- Munroe street*, from No. 64 to No. 70. Sidewalk paving measured.
- Munroe street*, at Hazelwood street. Gutter and sidewalk paving measured.
- Munroe street*, at No. 72. Sidewalk paving measured.
- Munroe street*, at Nos. 77, 79, and 81. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- New Heath street*, northerly corner of Columbus avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Norfolk avenue*, from Magazine street to East Cottage street. Grade given for resurfacing.
- Otisfield street*, corner of Gaston street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Ottawa street*, westerly corner of Sherman street. Grade given for edgestone. Edgestone and gutter paving measured.
- Prescott street*, from Hampden to Eustis street. Edgestone, gutter and sidewalk paving measured.
- Quincy street*, northerly side, from Warren street to Blue Hill avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Raleigh street*, westerly corner of Beacon street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Raleigh street*, from Bay State road to Charles river. Gutter and cross-walk paving measured.
- Ray street*, at No. 9. Edgestone, gutter and sidewalk paving measured.
- Reed street*, south corner of Newcomb street. Line and

- grade for edgestone. Edgestone, gutter and sidewalk paving measured.
- Regent street*, No. 84 to No. 88. Edgestone, gutter and sidewalk paving measured.
- Rockland street*, at east corner of Walnut avenue. Sidewalk paving measured.
- Roxbury street*, Nos. 98 and 100. Edgestone, gutter and sidewalk paving measured.
- Roxbury street*, at south corner of Columbus avenue. Edgestone, gutter and sidewalk paving measured.
- Ruthven street*, at No. 78. Line and grade given for edgestone, and paving measured.
- Ruthven street*, at south corner of Harold street. Edgestone, gutter and sidewalk paving measured.
- Ruthven street*, northerly side, between Harold street and Walnut avenue. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Ruthven street*, north-easterly side, near Harold street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Sachem street*, westerly side. Gutter paving measured.
- Savin street*, at Nos. 55, 66, and 68. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Schiller street*, at south-west corner of Mansur street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Sheridan street*, at Nos. 1 and 3. Edgestone, gutter and sidewalk paving measured.
- Shirley street*, from George street to Norfolk avenue. Line and grade given for grading street.
- Shirley street*, from Dudley street to No. 25. Sidewalk paving measured.
- Simmons street*. Sidewalk paving measured.
- Sterling street*, between Shawmut avenue and Westminster street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Sterling street*, from Washington street to Shawmut avenue. Line and grade given for edgestone.
- Sunset street*, from Hillside street to Parker Hill avenue. Line and grade given for gutters. Gutter paving measured.
- Swett street*, at Massachusetts avenue. Roadway paving measured.
- Taber street*, No. 33 to No. 37. Sidewalk paving measured.
- Thorndike street*, south-west side. Reed street to Harrison

- avenue. Line and grade given for edgestone. Edgestone and sidewalk paving measured.
- Thwing street*, at westerly end. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Townsend street*, from Harold street to Warren street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Tremont street*, at Sewall street. Gutter paving measured.
- Tremont street*, south-east side, from Hammond street to Kendall street. Edgestone, sidewalk and roadway paving measured.
- Tremont street*, north-west side, from Walpole street to Coventry street. Edgestone and roadway paving measured.
- Tremont street*, at northerly, southerly, and westerly corners of Cunard street. Lines and grade given for edgestone. Edgestone and sidewalk paving measured.
- Vernon street*, between Cabot street and Haskins street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Vine street*, between Dudley street and Mt. Pleasant avenue. Edgestone, gutter and sidewalk paving measured.
- Walnut avenue*, at easterly corner of Ruthven street. Edgestone, gutter and sidewalk paving measured.
- Walnut avenue*, at Nos. 332 and 354. Sidewalk paving measured.
- Walnut avenue*, at No. 367. Edgestone, gutter and sidewalk paving measured.
- Walnut avenue*, west corner of Cobden street. Edgestone, gutter and sidewalk paving measured.
- Walnut avenue*, at Nos. 76 and 78. Sidewalk paving measured.
- Walnut avenue*, near Walnut park. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Warren street*, at No. 130. Sidewalk paving measured.
- Warren street*, at Brunswick street. Edgestone, gutter and sidewalk paving measured.
- Warren street*, at north-west corner of Washington street. Line and grade given for edgestone. Edgestone, sidewalk and roadway paving measured.
- Warren street*, between Lansing street and Walnut avenue. Cross-walk paving measured.
- Washington street*, between Bartlett street and Guild street. Line and grade given for edgestone. Edgestone, sidewalk and roadway paving measured.
- Washington street*, at No. 3638. Sidewalk paving measured.

- Washington street*, at south corner of Warren street. Line and grade for edgestone.
- Washington street*, south-east side, near Elmore street. Line and grade given for edgestone. Edgestone and sidewalk paving measured.
- Waumbeck street*, at south corner of Humboldt avenue. Edgestone, gutter and sidewalk paving measured.
- Wayne street*, at southerly corner of Maple street. Sidewalk paving measured.
- Westminster street*, at Marble street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Weston street*, between Tremont street and Cabot street. Edgestone, gutter and sidewalk paving measured.
- Whiting street*, at west corner of Moreland street. Line and grade given for edgestone. Edgestone and gutter paving measured.
- Wigglesworth street*, at west corner of Longwood avenue. Line and grade given for edgestone. Edgestone and gutter paving measured.
- Williams street*, between Shawmut avenue and Westminster street. Edgestone, gutter and sidewalk paving measured.
- Winthrop street*, east side, near Dennis street. Line and grade given for edgestone. Edgestone, gutter and sidewalk paving measured.
- Woodbine street*, from Warren street to Blue Hill avenue. Edgestone, gutter and sidewalk paving measured.

DORCHESTER.

- Adams street*, from Minot street to Frederika street. Line and grade given for edgestone. Edgestone and gutter paving measured.
- Adams street*, at Lonsdale street. Line given for edgestone.
- Adams street*, easterly side, from Minot street to Marsh street. Line and grade given for edgestone.
- Alban street*, from Welles avenue to Ashmont street. Line and grade given for edgestone.
- Algonquin street*. Line and grade given for edgestone at Nos. 38, 40, 42.
- Algonquin street and Bradlee street*. Line and grade for setting park stone near Washington street.
- Algonquin street*, north side, from Harvard street to No. 39. Line and grade given for edgestone.
- Algonquin street*. Line and grade given for sidewalk at No. 35.

Allston street, at Kenwood street. Line and grade given for edgestone.

Auckland street, east side, corner of Savin Hill avenue. Line and grade given for edgestone.

Bicknell street, from Harvard street to Bradshaw street. Line and grade given for sidewalks. Gutter and sidewalk paving measured.

Blue Hill avenue. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured at No. 274.

Bowdoin avenue. Line and grade given for edgestone at No. 75. Edgestone and gutter paving measured.

Bowdoin avenue. Line and grade given for edgestone at Nos. 71, 73, and measurement of artificial stone sidewalk at No. 71.

Bowdoin avenue. Line given for edgestone.

Bowdoin avenue and Washington street. Line and grade given for edgestone.

Bowdoin street. Line and grade given for sidewalk at No. 78.

Bradlee street. Line and grade given for sidewalk at No. 33.

Bradlee street. Sidewalk measured at No. 37.

Brent street, north side, between Talbot avenue and Carlisle street. Grade given for resetting edgestone.

Church street, Winter street to High street. Line and grade given for edgestone.

Clapp street. Line and grade given for edgestone, at Nos. 44 to 58.

Cushing avenue, at angle. Line and grade given for sidewalk, and same measured.

Cushing avenue, south side, near the church. Line and grade given for sidewalk.

Dewey street. Line and grade given for sidewalk at Nos. 45 to 49. Edgestone, gutter and sidewalk paving measured.

Dewey street, south side, near Howard avenue. Line and grade given for edgestone.

Glenway street. Line and grade given for sidewalk. Gutter and sidewalk paving measured.

Greenwich street, north side, near Freeport street. Line and grade given for edgestone.

Hartford street. Sidewalk paving measured.

Harvard street, north side, between Waterlow street and New England Railroad. Line and grade given for sidewalk. Edgestone and gutter paving measured.

Harvard street, from No. 77 to Sydney place. Line and

grade given for sidewalk, and artificial stone sidewalk measured.

Howard avenue. Line and grade given for edgestone at No. 124.

Howard avenue. Line and grade given for edgestone at Nos. 116—120.

Judson street. Line and grade for macadamizing.

Judson street. Line and grade given for edgestone at No. 28.

Kenwood street. Line and grade given for sidewalk. Edgestone and gutter paving measured.

Kenwood street, at the corner of Allston street. Line and grade given for corner circles.

Leyland street. Line and grade given for edgestone at Nos. 5 and 7.

Marshfield street, Clinton street to Norfolk avenue. Line and grade given for edgestone.

Mayfield street, between Pleasant street and Bakersfield street. Line and grade given for sidewalk.

Melville avenue, from Dorchester avenue to Shawmut Branch Railroad. Line and grade for macadamizing.

McLellan street. Line and grade given for edgestone.

Mt. Vernon street, at the corner of Buttonwood street. Line and grade given for edgestone.

Mt. Vernon avenue. Line and grade given for edgestone.

Oakland street, from River street to New England Railroad. Line and grade given for filling.

Ocean street. Sidewalk paving measured.

Quincy street, from Blue Hill avenue to Harvard street. Line and grade given for macadamizing.

River street, south side, near Blue Hill avenue. Line and grade given for edgestone.

Romsey street. Line and grade given for sidewalk at No. 7.

Sagamore street, Higgins estate. Line and grade given for sidewalk.

Salcombe street, at Stoughton street. Line and grade given for edgestone.

Sydney street. Line and grade given for sidewalk at No. 4.

Sydney street. Line and grade given for sidewalk at No. 169, and sidewalk measured.

Talbot avenue, from Washington street to Welles avenue. Line and grade given for edgestone. Edgestone and gutter paving measured.

Waldeck street, Park street to Tremlett park. Line and grade given, for owners to build street.

Walnut street, from New York, New Haven, & Hartford Railroad to Ericsson street. Line and grade given for edgestone.

- Walton street*, south side, near Harley street. Line and grade given for sidewalk.
- Washington street*, south of Dunbar avenue. Line and grade given for edgestone and railroad track.
- Washington street*. Line and grade given for sidewalk at No. 424, and sidewalk paving measured.
- Washington street*, west side, south of New England Railroad. Line and grade given for edgestone.
- Washington street*. Line and grade given for edgestone at No. 394, and same measured.
- Washington street*, south side, near Harvard street. Line and grade given for edgestone, and artificial stone sidewalk measured.
- Washington street and Wilder street*, north-west corner. Line and grade given for sidewalk.
- Welles avenue*, between Ocean street and Talbot avenue. Line and grade given for sidewalk, and gutter paving measured.

BRIGHTON.

- Cambridge street*, at Charles river. Line and grade given for sidewalk. Edgestone and gutter paving measured.
- Fairbanks street*, from Washington street to Faneuil street. Lines and grades given for construction, and gutter paving measured.
- Gardner street*, between Harvard avenue and Malvern street. Lines and grades given for artificial stone sidewalks, and same measured.
- North Harvard street*, at Western avenue. Line and grade given for sidewalk and road construction. Edgestone, gutter and sidewalk paving measured.
- Pomeroy street*, between Gordon street and Saunders street. Line and grade given for sidewalk. Edgestone and gutter paving measured.
- Summit avenue*, between Allston and Summer streets. Line and grade given for grading.
- Sutherland street*, between Beacon street and Commonwealth avenue. Lines and grades given for gutter paving, and same measured.
- Washington street*, from Cambridge street to Oak square. Lines and grades given for construction on lines of relocation. Edgestone, gutter and sidewalk paving measured.
- Winship street*, between Chestnut Hill avenue and Washington street. Line given. Edgestone and gutter paving measured.

Western avenue, at North Harvard street. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.

WEST ROXBURY.

Bellevue street, from Centre street to Oriole street. Line and grade given for construction, and gutter paving measured.

Boylston street, at Lamartine street. Line and grade given for construction on line of widening. Edgestone, crosswalk, gutter and sidewalk paving measured.

Boylston street, between Germania street and angle. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.

Brookside avenue, at and near Green street. Line and grade given for sidewalk. Edgestone and gutter paving measured.

Catherine street, from Florence street to Bourne street. Line and grade given for construction.

Centre street, at the corner of Hastings street. Line and grade given for sidewalk. Edgestone and gutter paving measured.

Centre street, at and near Green street. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.

Danforth street, between Boylston street and Wyman street. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.

Green street, between Brookside avenue and Boylston avenue. Line and grade given for construction on revised grade. Edgestone, gutter and sidewalk paving measured.

Herlett street, from Walter street to Selwyn street. Line and grade given for construction.

Hyde Park avenue, at Walk Hill street. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.

Maple street, from Centre street to Weld street. Line given for gutter, and same measured.

March avenue, between Park street and Bellevue street. Line and grade given for sidewalk, and gutter paving measured.

Paul Gore street, between Centre street and Chestnut avenue. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.

Perkins street, at Jamaica Way. Line and grade given. Edgestone and gutter paving measured.

- Pond street*, at the corner of Avon street. Line given. Edgestone and gutter paving measured.
- Poplar street*, at Washington street. Line and grade given for sidewalk. Edgestone and gutter paving measured.
- Ridge street*, between Sherwood street and Sycamore street. Line and grade given for paving gutters, and same measured.
- St. John street*, between Centre street and Rockview street. Line and grade given for construction. Edgestone and gutter paving measured.
- Seaverns avenue*, at Elm street. Line given for rebuilding retaining-wall.
- South Fairview street*, between South street and South Walter street. Line and grade given for construction.
- South Walter street*, between South street and South Fairview street. Line and grade given for construction.
- South street*, from Washington street to South Walter street. Line and grade given for construction. Edgestone and gutter paving measured.
- Sycamore street*, between Ashland street and Ridge street. Line and grade given for paving gutters, and same measured.
- Walk Hill street*, at Hyde Park avenue. Line and grade given for sidewalk. Edgestone, gutter and sidewalk paving measured.
- Washington street*. Line and grade given for sidewalk at No. 3638. Edgestone and artificial stone sidewalk measured.
- Washington street*, at Peter Parley street. Line and grade given. Edgestone and gutter paving measured.
- Washington street*. Line and grade given for sidewalk at No. 3175. Edgestone and artificial stone sidewalk measured.
- Wren street*, from Rutledge street to Oriole street. Line and grade given for construction, and gutter paving measured.

PLANS

IN SURVEYING DIVISION, ENGINEERING DEPARTMENT, JANUARY 31, 1896.

Indexed.	General Head under which Classified.	Number of Plans.
Vol. A.	Plans of estates (lithographed)	221
" B.	" " " "	187
" C.	" " " " in Brighton	31
" D.	" " " " in West Roxbury	53
" E.	" " " "	17
" F.	" " " "	2
" 1 to 13 ¹	" " " widenings, etc.	664
" { 14, 15, 16, } { and 17 }	" " "	805
" 18	School-house and miscellaneous plans	95
" 19	Plans from actual survey in City Proper	130
" 20	Profiles of City Proper and Boston Harbor, and ancient plans	91
" 21	Plans and profiles of streets in East Boston, 1849	45
" 22	" " " " " " " " 1863	45
" 23	" " " " " " " " South Boston, 1848	27
" 24	" " " " " " " " 1860	39
" 25	" " " " " " at South End	21
" 26	" " " " " " in Church and Suffolk st. Diets.,	38
" 27	" " " " " various streets	16
" 28	" " " " " streets at South End	15
" 29	Miscellaneous plans, estates, etc.	69
" 30	" " " "	97
" 31	Official plans from 1851 to 1854	103
" 32	Plans of estates	112
" 33	" " "	131
" 34	" " "	104
" 35	" " "	256
" 36	" " "	118
" 38 } " 39 }	Hale's plans of the streets in Boston, 1819	176
" 40	Plans of estates	66
" 41	" " "	494
" 42	Ancient plans of estates in South Boston, etc.	46
" 43	Sectional plans of city lands at South End	24
" 44	Plans of estates in Roxbury	77
	<i>Carried forward</i>	4,119

¹ Vol. 8 is a set of Architects' plans, and has been transferred to the Public Buildings Department.

PLANS

IN SURVEYING DIVISION, ENGINEERING DEPARTMENT, JANUARY 31,
1896. — *Continued.*

Indexed.	General Head under which Classified.	Number of Plans.
	<i>Brought forward</i>	4,119
Vol. 45	Plans of estates in Roxbury	70
" 46	" " " " "	80
" 47	" " widenings in Roxbury	50
" 48	" " " etc., in Roxbury	140
" 49	" " " " " "	73
" 50	Third Parish and Grammar School lands in Roxbury	57
" 51	Plans of widenings in Roxbury	59
" 52	" " city lands and widenings in Roxbury	92
" 53	Profiles of streets in Roxbury	76
" 54	" " " " "	37
" 55	" " " " "	42
" 56	" " " " "	56
" 57	Plans of widenings in Brighton	25
" 58	" " estates in Brighton	115
" 59	" " " " "	74
" 60	" " city property, etc., in Brighton	18
" 61	" " widenings in West Roxbury	75
" 62	" " " " " "	44
" 63	Profiles of streets	58
" 64	Plans of city property, etc., in West Roxbury	27
" 65	" " estates, etc., in West Roxbury	199
" 66	" " " " " "	217
" 67	" " " " " "	711
" 68	" " " " " " and Brighton	152
" 69	" " " " "	140
" 70	" " " " "	183
" 71 to 82	Charlestown plans, in bound volumes, showing street-widenings and estates	626
" 83	Charlestown street surveys	229
" 84	Miscellaneous plans	106
" 85	Plans of estates in Roxbury	485
" 86	" " " " "	18
" 87	" " " etc.	169
" 88	" " " "	32
	<i>Carried forward</i>	8,066

PLANS

IN SURVEYING DIVISION, ENGINEERING DEPARTMENT, JANUARY 31,
1896. — *Continued.*

Indexed.	General Head under which Classified.	Number of Plans.
	<i>Brought forward</i>	8,066
Vol. 89	Plans of estates, etc.	140
" 90	" " " "	10
" 91	Insurance volumes	25
" 92	" "	31
" 93	" "	28
" 94	" "	27
" 95	Dorchester surveys	65
" 96	" "	61
" 97	" "	63
" 98	Plans of estates, etc.	99
" 99	" " " in Dorchester	322
In Drawer A	Plan of Boston from 1777 to 1891	39
" Cases CC	Miscellaneous rolled plans	670
" Drawer E	Plans from surveys in City Proper	503
" " F	Plans and profiles from surveys in City Proper and Roxbury	627
" " G	South Boston plans and profiles	330
" " H	East Boston plans and profiles	129
" " L	Official plans, profiles, etc.	2,782
" " M	Copies of plans by other surveyors	321
" " N	Plans of city lands	201
	4 vols. tracings of plans and profiles	632
In Drawers	" " " "	595
Vol. I. to LXIV.	Copies of official plans indexed in Vol. 31 and Drawer L.	2,682
	Other plans in bound volumes	1,450
	Miscellaneous plans of the Back Bay Commission in portfolio	15
	Hanging plans	23
	Rolled plans not indexed	25
	Plans in progress, City Proper	78
	" " " South Boston	61
	" " " East Boston	41
	" " " Roxbury	88
	" " " Dorchester	122
	" " " West Roxbury	98
	<i>Carried forward</i>	20,399

PLANS

IN SURVEYING DIVISION, ENGINEERING DEPARTMENT, JANUARY 31,
1896. — *Concluded.*

Indexed.	General Head under which Classified.	Number of Plans.
	<i>Brought forward</i>	20,399
	Plans in progress, Brighton	75
	“ “ “ Charlestown	17
	South Boston sectional plans	42
	East Boston “ “	54
	Roxbury “ “	163
	West Roxbury “ “	83
	Sectional plans filed by Board of Survey	237
	Plans filed by the Boston Transit Commission	5
	15 vols. copies of Assessors' plans	1,579
	Indexed plans of Dorchester	2,412
	Sectional plans “	282
	Miscellaneous plots and plans of Dorchester	516
	Plans of proposed streets submitted by owners and approved by the Board of Street Commissioners :	
	East Boston	10
	Roxbury	29
	Dorchester	107
	Charlestown	1
	West Roxbury	53
	Brighton	31
	Plans of proposed streets submitted by owners for the approval of the Board of Street Commissioners now under consideration :	
	Roxbury	17
	Dorchester	54
	West Roxbury	25
	Brighton	10
		26,161

There are also 4,004 lithographed plans in the office at Old Court House not included in the foregoing list, viz. :

Lithographed maps of Dorchester, made in 1869	39
“ “ “ “ “ “ 1880	163
“ “ “ West Roxbury, made in 1873	43
“ “ “ Brighton, made in 1873	19
“ “ “ Fort Hill, made in 1866-69	106
“ “ “ Church-st. district, made in 1868	189

Lithographed maps of Washington-st. widening (parts 1, 2, 3), made in 1860 . . .		1,105
"	" " Washington-st. extension, made in 1869 . . .	170
"	" " North street, made in 1859 . . .	44
"	" " Stony brook, drainage area . . .	11
"	" " Boston, made in 1866-67 . . .	111
"	" " Boston, made in 1888 . . .	158
"	" " Suffolk-st. district, made in 1869 . . .	20
"	" " South Boston, made in 1880 . . .	85
"	" " Roxbury, made in 1880 . . .	119
"	" " Charlestown, made in 1890 . . .	11
"	" " Burnt district . . .	77
"	" " Mt. Hope Cemetery . . .	29
"	" " Winthrop Farm . . .	51
"	" " Hanover avenue . . .	48
"	" " Muddy river . . .	44
"	" " Pemberton square, Court House site . . .	243
"	" " East Newton street, lots on, sold by auction, made in 1888 . . .	44
"	" " Public lands in South Boston, sold by auction, made in 1885 . . .	84
"	" " Public lands in South Boston, sold by auction, made in 1888 . . .	10
"	" " Boylston street, old Public Library lot . . .	17
"	" " Public lands in South Boston, sold by auction, made in 1882 . . .	142
"	" " Boston, Directory map, made in 1886 . . .	96
"	" " Boston, scale 1,600 feet to an inch, made in 1890, colored plans . . .	353
"	" " Boston, scale 800 feet to an inch, made in 1891, colored plans . . .	13
"	" " Boston proper, scale 500 feet to an inch, made in 1894 . . .	16
"	" " Exhibit No. 1, City Surveyor's Report, 1893 . . .	106
"	" " Exhibit No. 2, City Surveyor's Report, 1893 . . .	126
"	" " High street, public lands sold by auction . . .	16
"	" " Beacon Hill, State House site . . .	44
"	" " Harrison avenue, Savage School-house lot, auction plan . . .	57
		<hr/> 4,004

The plan on opposite page was prepared under the direction of the former City Surveyor, Mr. Pierre Humbert, Jr., and shows the changes in street and wharf lines in the city proper for the hundred years from 1795 to 1895.

B.

[FROM THE CITY ENGINEER'S REPORT TO THE WATER COMMISSIONER.]

SOURCES OF SUPPLY.

The rainfall during the year 1895 was above the average in amount, and the supply of water has been ample at all times.

The rainfall and quantities collected on the several watersheds were as follows :

	Sudbury.	Cochituate.	Mystic.
Rainfall, in inches	50.62	48.96	48.73
Rainfall collected, in inches	24.196	20.172	17.426
Daily average yield of watershed, } in gallons	86,632,900	18,125,934	22,300,000

An unusually large fall of rain occurred October 12-14, 1895; beginning at 1.30 P.M. on Saturday, October 12, the rain was continuous and uniform until 4.15 A.M. of Monday, October 14, 1895. During that time—less than thirty-nine hours—7.5 inches of rain fell.

Reservoir No. 1.

*Grades, H.W., 161.00; Tops of Flash-boards, 159.29 and 158.41; Crest of Dam, 157.54.
Area, Water Surface, 143 acres; Greatest Depth, 14 ft.; Contents below 161.00,
376,900,000 gals.; Below 159.29, 288,400,000 gals.*

The surface of this reservoir was about one foot below the crest of the dam on January 1, 1895. Waste began January 13 and continued until February 2, and no more waste occurred until March 12.

From March 12 to May 9 water was wasted over the dam, and on May 9 the flash-boards were placed in position. On May 22 the reservoir was full, and waste began over the flash-boards, lasting until May 28. From June 5 to June 9 water was wasted over the flash-boards. The flash-boards were removed on October 16, and waste occurred from October 16 to January 1, 1896. The dam is in good condition.

Reservoir No. 2.

*Grades, H.W., 168.00; Tops of Flash-boards, 167.12 and 166.49; Crest of Dam, 165.87.
Area, Water Surface, 134 acres; Greatest Depth, 17 ft.; Contents Below 168.00,
568,300,000 gals.; Below 167.12, 529,860,000 gals.*

On January 1, 1895, water was wasting over the dam. From January 3 to 13 there was no waste. Beginning on the 13th, water was wasted until February 10. Waste occurred from March 11 until May 9, when the flash-boards were placed upon the dam. On April 8 the reservoir was drawn upon for the supply of the city. During July, August, September, and part of October, water was run into the reservoir from Reservoirs 4 and 6. The flash-boards were removed from the dam on November 6. Waste occurred on that day, and continued during the remainder of the year. The dam is in good condition.

Reservoir No. 3.

*Grades, H.W., 177.00; Crest of Dam (no Flash-boards), 175.24.
Area at 177.00, 253 acres; Contents below 177.00, 1,224,500,000 gallons.
Area at 175.24, 248 acres; Contents below 175.24, 1,081,500,000 gallons.
Greatest Depth, 21 ft.*

On January 1, 1895, this reservoir was full. On January 11 waste began, and continued until February 7. Waste also occurred from March 10 to May 7. On July 25 the surface of reservoir was 5.25 feet below crest of the dam. Filling slowly from that time, the water surface reached the crest of the dam on October 16. From October 16 to January 1, 1896, water has wasted over the dam, excepting October 29 and November 16. The dam is in good condition.

Reservoir No. 4.

*Grades, H.W., 215.21; Tops of Flash-boards, 215.21+and 214.89;
Crest of Dam, 214.23.
Area, Water Surface, 167 acres; Greatest Depth, 49 ft.; Contents below 215.21,
1,416,400,000 gallons.*

On January 1, 1895, the surface of water in the reservoir was 18.05 feet below the crest of the dam. The reservoir filled gradually, and on April 9 waste began, and continued until May 9, when one set of flash-boards was placed upon the dam. Water wasted over the first set of flash-boards from May 14 to May 23, when the second set of flash-boards was added. Waste occurred over the second set from May 28 to June 19 and from June 28 to July 4. On July 3 the reservoir was drawn upon for the supply of the city, and on October 12 the water surface had fallen 22.45 feet below the crest of the dam. Since October 12 it has been gradually filling. The dam is in good condition.

Reservoir No. 5.

Work for the year was commenced on April 13, and has been prosecuted throughout the year. The following report of Desmond FitzGerald, Resident Engineer, gives further information in regard to the work on this reservoir, as well as other matters connected with additional supply:

SOUTHBOROUGH, MASS., January 1, 1896.

WILLIAM JACKSON, ESQ., *City Engineer*:

DEAR SIR: Herewith please find report of work accomplished by additional supply force under my direction during the past year. The grounds adjoining the embankment of Dam No. 6 have been cleared of waste material, graded, and top-dressed with loam. The filter beds are now under construction; one bed has been entirely completed and under-drained, and the second bed has been graded and is ready for the drains.

Stone bounds have been set at the angles of all the pieces of land owned by the city at Basin No. 6. At Dam No. 5 work was begun on April 13, and continued at a satisfactory rate during the year. The following grades indicate in a general way the progress made:

Masonry section from grade 190 to grade 217.

Earth embankment at northerly end of dam from grade 203 to grade 210.

Earth embankment at southerly end of dam from grade 220 to grade 224.

The core wall at northerly end of dam is completed to grade 211, and at the southerly end to grade 225.

The northerly wing wall is completed to grade 217, and the southerly one to grade 225.

The quantities of materials handled during the year on the dam are as follows:

Soil moved	.	.	.	.	.	1,409 cubic yards.
Soil placed on dam	.	.	.	.	.	776 " "
Earth excavation	.	.	.	.	.	61,109 " "
Rock excavation	.	.	.	.	.	2,154 " "
Concrete masonry	.	.	.	.	.	3,825 " "
Rubble masonry	.	.	.	.	.	15,812 " "
Range work	.	.	.	.	.	2,281 " "
Plastering	.	.	.	.	.	1,657 square "

In connection with the reservoir the work of stripping on

Section A was continued until September. The completion of this section must await the removal of the injunction which now holds against carrying on work. Early in the year plans and specifications were prepared for letting two portions of the new Framingham-Marlboro' road, comprising about $2\frac{3}{4}$ miles in length.

This work was let in April and completed during the year.

In February and March plans and specifications were prepared for the stripping and shallow flowage connected with the Stony-brook branch of the basin. This work was let in April and is now well under way. The following quantities of materials have been moved in connection with the stripping :

Earth excavation	.	.	.	.	698,654 cubic yards.
Split stone masonry	.	.	.	.	2,048 " "
Paving in mortar	.	.	.	.	369 " "
Concrete masonry	.	.	.	.	740 " "
Rubble masonry	.	.	.	.	811 " "
Dry paving	.	.	.	.	730 " "
Rip-rap	.	.	.	.	2,784 " "
Stone wall	.	.	.	.	71 rods.

The contract for building 20,000 linear feet of iron fence was made in July, and under this contract 2,300 feet have been constructed. The lands owned by the city and the road lines have been marked by stone bounds. In April a contract was made for grading a series of 20 filter beds near Marlboro' Junction. This work has been completed and the final estimate is now under way. Besides the above work, a number of plans and estimates have been made for an extension of the work on this basin.

Respectfully submitted,

(Signed) DESMOND FITZGERALD,
Resident Engineer.

Reservoir No. 6.

*Grades, H.W., 295.00 ; Top of Flash-boards, 295.00 ; Crest of Dam, 294.00.
Estimated Area, 185 acres ; Estimated Contents, 1,530,300,000 gals.*

The surface of the reservoir was 15.16 feet below the crest of the dam on January 1, 1895. Filling gradually, water began to waste over the dam on April 5, and continued until May 9, when the first set of flash-boards was placed upon the dam. On May 19 water wasted over the flash-boards, and continued until May 23.

The second set was placed upon the dam on May 23, and waste occurred over this set from May 23 to June 17. On

October 13 the water surface reached its lowest point, being 21.74 feet below the crest of the dam. During November and December it filled gradually, and on December 27 waste began over the crest of the dam. The dam is in good condition.

Whitehall Pond.

*Elevation, H.W., 327.91; Bottom of Gates, 317.78.
Area at 327.91, 601 acres; Contents, between 327.91 and 317.78, 1,256,900,000 gals.*

On January 1, 1895, the water surface of this pond was 323.23 feet, or 4.68 feet below high water. It rose during the spring, the water surface on May 1 being 326.95, or .96 feet below high water. It remained at about this height until June 15, when it fell; and on October 12 the water surface was 323.22.

Since October 12 it has been gradually filling. Water was drawn from the pond, for the supply of the city, from March 25 to April 5, April 9 to 12, April 15 to 20, April 30 to May 23, June 14 to July 24, August 8 to October 14, and November 27 to January 1, 1896. Plans for a new dam at Whitehall pond have been perfected.

Farm Pond.

*Grades, H.W., 149.25; Low Water, 146.00.
Area at 149.25, 159 acres; Contents, between 149.25 and 146.00, 165,500,000 gals.*

No water was drawn from this pond for the supply of the city during the year 1895.

On January 1, 1895, the surface of the pond was 46 feet below high water. High-water mark was reached on January 23, and on April 15 the water surface was at grade 149.70.

It remained at or above 149.00 until August 20. The lowest point reached was on September 29, and on October 14 high-water mark was again reached, remaining at that height during November and December. The Framingham Water Company has drawn 132,200,000 gallons from the pond during the year.

Lake Cochituate.

*Grades, H.W., 134.36; Invert Aqueduct, 121.03; Top of Aqueduct, 127.36.
Area, Water Surface at 134.36, 785 acres; Contents, between 134.36 and 127.36,
1,515,180,000 gals.; between 134.36 and 125.03, 1,910,280,000 gals.
Approximate Contents, between 134.36 and 121.03, 2,447,000,000 gals.; Between
134.36 and 117.03, 2,907,000,000 gals.*

The dam is in good condition. On January 1, 1895, the surface of the lake was 8.08 feet below high-water mark.

It remained at about this level until March 1, when it began to rise. On March 10 water was turned into the lake from the Sudbury river, and on April 15 the water surface

was at high-water mark. It remained at about high-water mark until May 5, after which its surface fell until October 12, being 128.28 on that day. On January 1, 1896, the water surface was 132.30, or 2.06 feet below high-water mark.

The beds for filtering the water of Pegan brook have been in use for the greater portion of the year, and 273,698,000 gallons have been pumped upon them. No difficulty has been experienced in their operation during the winter season.

Water has been drawn from the different reservoirs as follows:

From 7	A.M. Jan. 1	to 2	P.M. Apr. 8	from Reservoir No. 1.
" 2	P.M. Apr. 8	" 11.40	A.M. June 27	" " Nos. 2, 3.
" 11.40	A.M. June 27	" 11	A.M. July 19	" " No. 2.
" 11	A.M. July 19	" 7	A.M. July 24	" " Nos. 2, 3.
" 7	A.M. July 24	" 12	M. Oct. 1	" " No. 2.
" 12	M. Oct. 1	" 2	P.M. Oct. 3	No flow.
" 2	P.M. Oct. 3	" 10	A.M. Oct. 13	from Reservoir Nos. 2, 3.
" 10	A.M. Oct. 13	" 11	A.M. Oct. 24	" " No. 2.
" 11	A.M. Oct. 24	" 7	A.M. Nov. 25	" " Nos. 2, 3.
" 11	A.M. Nov. 25	" 11	A.M. Dec. 3	" " No. 2.
" 11	A.M. Dec. 3	" 1	P.M. Dec. 5	No flow.
" 1	P.M. Dec. 5	" 11	A.M. Dec. 23	from Reservoir Nos. 2, 3.
" 11	A.M. Dec. 23	" 7	A.M. Jan. 1	" " No. 2.

The height of the water in the various storage reservoirs on the first day of each month is given below:

		RESERVOIRS.					FARM POND.	WHITE-HALL POND.	LAKE COCHITUATE.
		No. 1.	No. 2.	No. 3.	No. 4.	No. 6.			
		Top of Flash-boards.	Top of Flash-boards.	Crest of Dam.	Crest of Dam.	Top of Flash-boards.	High Water.	High Water.	Top of Flash-boards.
		159.29	167.12	175.24	214.33	295.00	149.25	327.91	134.36
January 1,	1896 . .	156.50	166.00	175.24	196.18	278.84	148.79	323.23	126.28
February 1,	" . .	157.83	166.05	175.45	201.65	283.48	149.08	324.26	126.90
March 1,	" . .	156.46	161.22	172.47	205.79	285.21	149.01	324.63	126.50
April 1,	" . .	157.96	166.16	175.66	212.91	293.42	149.35	325.71	132.97
May 1,	" . .	157.86	166.09	175.37	214.60	294.28	149.63	326.95	134.35
June 1,	" . .	159.25	166.05	174.68	215.34	295.02	149.32	325.98	134.04
July 1,	" . .	159.04	164.23	169.46	215.31	295.04	149.01	325.81	133.09
August 1,	" . .	158.91	163.97	170.47	210.25	290.58	149.00	325.28	131.72
September 1,	" . .	158.68	163.30	172.50	203.98	283.91	148.89	324.62	130.20
October 1,	" . .	158.82	163.14	172.57	194.41	273.64	148.68	323.68	128.98
November 1,	" . .	157.91	167.15	175.66	197.35	279.19	149.37	324.73	129.63
December 1,	" . .	158.10	166.23	175.77	207.83	289.92	149.36	326.36	132.71
January 1,	1896 . .	158.11	166.17	175.75	213.86	294.39	149.67	325.29	132.30



CAPACITY IN MILLION GALLONS.			Di
RES. 1.	RES. 2.	RES. 3.	
		1042	175
		582	
		303	
		825	
		748	170
		672	
		538	
	568	525	
	525	454	165
	482	396	
	439	340	
	398	288	
	357	238	160
	317	191	
377	277	147	
324	238	107	
274	200	72	155
229	164	41	
187	131	18	
149	100	6	
118	73		150
85	49		
59	29		
38	14		
LAKE COONTLATE:			145
	1325		
	1280		
	1250		
	1230		140
	1200		
	819		
	625		
	440		135
	270		
	107		
MYSTIC LAKE:			130
	380		
	376		
	256		
	198		125
	144		
	92		
	44		
			0
			-5
			-10

AQUEDUCTS AND DISTRIBUTING RESERVOIRS.

The Sudbury-river aqueduct has been in use 335.9 days, and has delivered 12,908,500,000 gallons into Chestnut-Hill Reservoir, and 896,800,000 gallons into Lake Cochituate. The Cochituate aqueduct has been used 361 days, and delivered 5,654,765,700 gallons. Both aqueducts have been cleaned during the year.

The different distributing reservoirs are in good condition.

HIGH-SERVICE PUMPING-STATIONS.

The daily average quantity pumped at the Chestnut-Hill station was 9.4 per cent. more than in 1894.

Engine No. 1 was run	4,341 hours	
12 minutes, pumping		1,739,232,730 gallons.
Engine No. 2 was run	2,285 hours	
35 minutes, pumping		919,218,525 "
Engine No. 3 was run	1,793 hours	
16 minutes, pumping		1,507,338,275 "
Total amount pumped		4,165,789,530 "
Amount coal used by Engines Nos.		
1 and 2		3,363,475 lbs.
Amount coal used by Engine No. 3,		1,503,331 "
Total amount coal used		4,866,806 "
Percentage ashes and clinkers		10.3
Quantity pumped per lb. of coal,		
Engines Nos. 1 and 2		790.4 gallons.
Quantity pumped per lb. of coal,		
Engine No. 3		1,002.7 "
Daily average amount pumped		11,413,100 "

Table VII., on pages 87, 88, shows in detail the work done by the engines and boilers.

COST OF PUMPING.

Salaries	\$14,854 11
Fuel	11,261 46
Repairs	803 09
Oil, waste, and packing	1,759 73
Small supplies	2,888 46
Total	\$31,566 85
Cost per million gallons pumped to reservoir,	\$7 58

The following are notes of a practice test of Engine No. 3, made by students of Massachusetts Institute of Technology, under the direction of Professor Miller :

Fire started under boiler	8.30 A.M.
Engine started	9.08 "
Engine test began	9.15 "
Engine test ended	9.15 "
Length of engine trial (steam basis)	24 hours
Length of engine trial (coal basis)	24.3 "
Revolutions, 9.08 A.M. to 9.26 A.M.	73,516
Revolutions, 9.15 " 9.15 "	72,843
Coal burned	16,839 lbs.
Coal burned, less 200 lbs. allowance for falling grate	16,639 "
Water received from engine and weighed to boiler	142,528 "
Cold water make up	8,532 "
Total amount weighed to boiler	151,060 "
Less leakage from feed pump	1,440 "
	<hr/>
	149,620 "
Steam required by plant for 24 hours, except H.P. jackets	146,226 "

TEMPERATURES.

Engine-room	23.3° C.
Condensed steam from air pump	89.3 F.
Cold condensing water	51.9
Hot condensing water	85.2
Feed water to economizer	127.
Feed water to boiler from economizer	198.3
Jacket return at engine	370.6
Jacket return at boiler	369.6
Gases entering economizer	502.
Gases leaving economizer	233.

PRESSURES.

Barometer	14.85 lbs.
Steam at throttle	175.7 “
Vacuum in condenser	27.25 in.
First receiver	46.5 lbs.
Second receiver	2.4 “
Low-pressure jacket	99.6 “
High-pressure jacket	175.7 “
Draught in inches	0.375

	Head.	Crank.	Total.
Horse power. High.	80.78	70.08	150.86
Int.	97.05	89.09	186.14
Low.	117.12	121.54	238.66
			Tot., 575.66

	Pump end.	Steam end.	Total.
Pump H.P. High.	90.12	85.95	176.07
Int.	91.59	87.36	178.95
Low.	87.90	86.94	174.84
			529.86

Steam per H.P. per hour, engine alone	11.22 lbs.
Coal per H.P. per hour, whole plant	1.18 “
Lift in feet	137.48 ft.
Water over weir, 24 hours	21,016,000 gals.
Slip	1.83 per cent.
Duty per 100 lbs. coal	150,045,000
Duty per 1,000,000 B.T.U.	145,470,000
Duty per 100 lbs. combustible	160,000,000

At the West Roxbury pumping-station the daily average quantity pumped was 179,200 gallons, an increase of 47.5 per cent. over the amount pumped in the previous year.

At the East Boston station 465,500 gallons per day have been pumped for the supply of the high-service district, and 39,300 gallons per day for the Breed's Island high-service.

HIGH SERVICE.

In 1870 the high-service works were established, with a capacity of 5,000,000 gallons daily with no storage.

In 1874 a reservoir was built on Parker Hill, with a capacity of 7,200,000 gallons, the average daily consumption being at that time 1,200,000 gallons. Late in 1885 the consumption of water from the high service had reached 2,500,000 gallons daily; the demand for its extension was pressing, and a new pumping-station with a capacity of

16,000,000 gallons daily was constructed at Chestnut-Hill reservoir, and an additional reservoir at Fisher Hill having a capacity of 15,400,000 gallons, making with the Parker-Hill reservoir a total storage capacity of 22,600,000 gallons.

In 1894 the consumption had reached over 11,000,000 gallons daily, and a new pump was added to the Chestnut-Hill plant having a capacity of 20,000,000 gallons daily.

The consumption for high service for the year 1895 averaged 10,384,600 gallons daily, the maximum being 11,719,300 gallons; it is evident that our present reserve in the Parker and Fisher Hill reservoirs is not sufficient, and an additional reservoir or reservoirs should be constructed at once with as large a capacity as it is practicable to obtain. It would be desirable to have, were it possible, a reservoir storage of 200,000,000 gallons.

Owing to the rapid increase of the portion of the city which is supplied from the high service, steps should also be taken at once, looking to the addition of another engine to the present plant. The experience of the past shows that it requires several years to design and build a pumping-engine, and at the present rate of increase in the high-service consumption the safe capacity of the present plant will have been reached by the time an additional engine can be supplied if work is commenced at once on the plans.

MYSTIC LAKE.

Grade, H.W., 7.00; Invert of Aqueduct, —4.17; Contents, between 7.00 and 1.50, 442,000,000 gallons.

On January 1, 1895, the lake surface was 3.63 feet below high water. On March 4 it had risen to grade 4.14, and the stop-planks were placed upon the dam, waste occurring over the stop-planks from March 9 to May 29. On May 29 the water surface was at 6.85; falling gradually, it reached grade 4.08 on July 29. The fish-way was opened on April 16, and was kept open until June 20, when it was closed, and remained closed the remainder of the year.

The lowest point reached during the year was on October 12, the water surface being at grade 2.15, or 4.85 feet below high water.

Waste occurred over the dam from October 15 to January 1, 1896, with the exception of five days in the early part of November.

The dam at the outlet of the lake is in good condition.

MYSTIC VALLEY SEWER.

The operation of this plant by the city ended on July 18, 1895, when the Metropolitan Sewerage Commission assumed control of it. During the time of operation, 70,013,500 gallons of sewage were pumped and chemically treated with sulphate of aluminum. Table XI., on page 92, gives the monthly quantities of sewage pumped, coal and aluminum used.

MYSTIC CONDUIT AND RESERVOIR.

The conduit has been cleaned several times during the year.

The repairs recommended at the conduit screen-chamber, namely, replacing the wooden sills with stone sills and the renewing of the grooves for the screens, have been made during the year.

MYSTIC PUMPING-STATION.

Engine No. 1 was used 3,240 hours,	
pumping	720,723,300 gals.
Engine No. 2 was used 1,392 $\frac{3}{4}$ hours,	
pumping	295,205,000 "
Engine No. 3 was used 6,676 $\frac{2}{3}$ hours,	
pumping	2,276,190,200 "
Engine No. 4 was used 380 hours,	
pumping	163,704,200 "
Total quantity pumped	3,455,822,700 "
Daily average quantity pumped	9,468,000 "
Total quantity of coal burned	8,121,000 lbs.
Percentage ashes and clinkers	10.9
Quantity pumped per lb. of coal	425.5 gals.

COST OF PUMPING.

Salaries	\$11,560 94
Fuel	13,650 80
Repairs	2,867 04
Oil, waste, and packing	1,161 60
Small supplies	1,328 69
<hr/>	
Total	\$30,569 07
Cost per million gallons pumped to reservoir,	\$8.84

Table VIII., on page 89, shows in detail the work done by the engines during the year. The foundation for Engine No. 4 was finished and ready for the erection of the engine on April 1, 1895, and about April 15 the G. F. Blake Manufacturing Company commenced to deliver parts of the pump and began the work of erecting the engine. The engine was run for the first time on August 28, and has been in use more or less since that time. It has been lagged, painted, etc., and is now practically finished and ready to be accepted by the city. The engine has not yet been tested by the city.

The Mystic Pumping-engine No. 4 is an independent compound beam and flywheel engine of the Leavitt type, and operates two differential plunger pumps.

The steam cylinders are vertical and inverted, one high and one low pressure, with pistons connected to opposite ends of the beam.

The pumps are located beneath the engine bedplate, in a masonry pit, and their plungers are rigidly connected to the steam-piston crossheads.

The high-pressure piston with its connected pump plunger makes its upward stroke at the same time that the low-pressure piston and its plunger are making their downward stroke, and *vice versa*.

The pumps rest upon solid masonry foundations at the bottom of the pit, to which they are strongly bolted; their upper ends are firmly secured to the engine bedplate by adjustable stools and bolts.

The discharge from the pump worked by high-pressure piston is into the delivery chamber of the pump worked by the low-pressure piston, from whence it enters the force main. Similarly the suction main connects with the low-pressure pump inlet chamber, with which the inlet chamber of the high-pressure pump is connected.

Each pump consists of three principal sections, viz.: the upper chamber, forming the air vessel and containing the delivery valves; middle chamber, containing the suction valves; and lower or inlet chamber, which is constructed to form a vacuum chamber.

The pump valves consist of thin flat rings of composition, working over annular openings in the valve seats and closed by springs.

The pedestals for the main beam pin and crank shaft journals are formed in the engine bedplate, and are all in the same horizontal plane.

The main framing for supporting the steam cylinders con-

sists of two massive columns forming the crosshead guides and five auxiliary columns, all of which have their bases bolted to the bedplate and their caps to the entablature.

The steam distribution is effected by Corliss valves and valve gear, with separate eccentrics for the inlet and exhaust gear.

The cylinders are thoroughly steam-jacketed on sides and ends, and the exhaust from the high-pressure cylinder enters a reheater filled with tubes containing high-pressure steam, on its way to the low-pressure cylinder.

All heated surfaces are thoroughly protected from radiation by approved non-conductors and handsome black walnut lagging.

The condensing apparatus is of the jet type, with a double-acting horizontal air pump worked from the beam.

There is a cast-iron gallery surrounding the cylinder bases, which is provided with a polished brass handrail and finished wrought-iron stanchions; the gallery is reached by an iron stair at the low-pressure end of the engine.

The leading dimensions of the engine are :

The high-pressure cylinder is bored 21 inches and the low-pressure cylinder 42 inches diameter, with 4-foot stroke of pistons.

The upper pump plungers are turned 14 $\frac{7}{8}$ inches and the lower plungers 21 inches diameter, with a stroke of 4 feet.

The radius of the beam is 51 inches to centres of link and connecting-rod attachments, and 17 inches to centre of pin working air pump.

The air pump is 16 $\frac{3}{8}$ inches diameter by 16 inches stroke.

The horizontal distance between centres of cylinders and pumps is 8 feet, ditto between centres of main beam pin, and crank shaft 10 feet 8 $\frac{5}{8}$ inches.

The length of connecting rod from centre to centre of journals is 10 feet, and of the steam links 3 feet $\frac{1}{2}$ inch. The radius of the crank is 2 feet.

Diameter of flywheel is 18 feet; weight of same, about 17 tons.

Speed of the engine for regular working capacity, 51 revolutions per minute. Displacement capacity at above speed in U. S. gallons per 24 hours amounts to 10,570,000.

The working boiler-pressure is 100 pounds per square inch above atmosphere.

The following preliminary test of Engine No. 4 was made by the builders, The Geo. F. Blake Manufacturing Co., December 13-14, 1895 :

Duration of test, 24 hours 30 seconds.

Total number of revolutions, 74,385.

Pressure by gauge near engine, 95.3 lbs.

Pressure by gauge on receiver, 5.9 lbs.

Pressure by mercurial column on condenser, 27.3 ins.

Total pressure per square inch on pump, 65.7 lbs.

Revolutions per minute, 51.7.

Horse-powers: High-pressure steam cylinder, top, 74.5; bottom, 79.65; total, 154.15. Low-pressure steam cylinder, top, 83.19; bottom, 83.71; total, 166.9. Both steam cylinders, total, 321.05.

Horse-power of main pump cylinders, 284.86.

Water pumped in 24 hours by displacement, 10,703,000 gals.

Total coal burned during the test, 10,661 lbs.

Water pumped per pound of coal, 1,004 gallons.

Coal per pump horse-power, per hour, 1.56 lbs.

Duty per 100 lbs. of coal, 127,000,000 ft. lbs.

CONSUMPTION.

The daily average consumption for the year was as follows :

Sudbury and Cochituate works	.	.	50,801,100 gals.
Mystic works	.	.	9,467,000 "
			<hr/>
Total for the combined supplies	.	.	60,268,100 "

an increase of 3,426,000 gallons, or 6 per cent., from that of the previous year.

On account of the limited quantity of the Mystic supply at the beginning of the year, all of Charlestown District lying east of Cambridge street has been supplied from the Cochituate works during the entire year, with the exception of the periods between February 6 to 21, and May 18 to July 13.

The following table shows the consumption per inhabitant for the past two years :

MONTH.	Cochituate.		Mystic.		Combined Supplies.	
	Consumption in Gallons per Capita.		Consumption in Gallons per Capita.		Consumption in Gallons per Capita.	
	1894.	1895.	1894.	1895.	1894.	1895.
January	108.1	104.9	91.9	92.0	104.5	102.7
February	109.6	129.4	95.4	94.8	106.5	120.7
March	99.7	107.1	83.0	83.5	96.0	102.9
April	88.9	94.5	79.0	77.3	86.7	91.5
May	92.6	97.3	82.1	77.6	90.2	93.3
June	101.4	102.0	96.4	83.2	100.3	97.6
July	110.3	104.2	93.3	76.8	106.5	98.7
August	104.0	107.0	81.8	76.5	99.0	101.6
September	98.2	107.1	94.3	93.3	97.6	104.7
October	95.0	98.9	80.1	81.1	92.6	95.8
November	94.8	96.7	81.3	78.8	92.7	93.6
December	97.5	105.9	92.8	86.1	96.7	102.4
Average	99.8	104.3	87.6	83.3	97.4	100.3

The daily average consumption was, last year, 24 per cent. in excess of the dry-year capacity of the combined system of water supply.

WHITEHALL POND.

Last June plans and specifications were prepared for a new dam at the outlet of Whitehall pond, for the purpose of increasing the storage capacity of the pond, but on account of complications arising by reason of the proposed taking of the supply systems by the State, nothing was done. It is now so evident, however, that the proposed increased storage of Whitehall pond is necessary that the construction of the new dam should be no longer delayed.

CORROSION OF PIPES BY ELECTROLYSIS.

The investigations of the effect of electrolysis upon the water-pipes have been continued during the year, under the supervision of Messrs. Stone & Webster, and in brief the results arrived at are as follows:

WILLIAM JACKSON, *City Engineer, Boston, Mass.* :

DEAR SIR: In our reports for the years 1893 and 1894 we considered the theory of electrolytic corrosion of water-pipes, giving detailed accounts of the experiments we were carrying on, and of our methods of investigation.

For the past year we have spent a great deal of time in taking hydrant readings in almost every part of the city where electric-car tracks are located, and have already made three minor reports on the work.

During the summer of 1895 we confined our investigations to the most thickly-settled portion of the city, and along the car lines extending into the suburbs. These investigations showed that the electrical condition of the pipes had changed for the better. Readings taken at the service-pipe stations, which we installed in 1894, as described in our report for that year, showed also that there has been a marked improvement.

In the fall we confined our investigations to the district about Brighton. Here in one locality we found slight indications of electrolytic corrosion, and in our report for November we suggested the remedy of bending the pipes to the tracks at a point on Cambridge street.

Owing to the fact that the ground was frozen, and to the unfavorable condition of the weather, we were unable to renew electrolytic investigations until the last of March. Since that time, however, we have made careful investigations in Charlestown and East Boston, and have found no indications of danger in these districts. This result is in accordance with the observations made last summer. At the time of writing this report we are carrying on investigations in South Boston, the indications being that there are some points of danger; but we have not arrived at conclusions sufficiently definite to be incorporated here.

The electrical conditions of the pipes is in the main improving, showing that measures have been taken to lessen the possibility of corrosion. Notwithstanding this improvement, there are districts which are not entirely free from electrolytic action; and, moreover, there is always liability to corrosion at isolated points, as well as the ever-present danger due to deterioration of rail bonds and supplementary return wires.

(Signed)

STONE & WEBSTER.

DISTRIBUTION.

On the Cochituate works 26½ miles of pipe were laid and 2½ miles abandoned, making a net increase of 23.1 miles and a total of 595.9 miles now connected with the system.

A 20-inch main for the supply of Brighton was laid as far as Brighton avenue early in the season, and was in service in June.

The 30-inch main for the South Boston low service was extended from Washington Village, through Dorchester avenue and D street, as far as Congress street, a length of 8,373 feet.

For the improvement of the high service in Roxbury and Dorchester, the 48-inch, 42-inch, and a part of the 36-inch lines, recommended in 1894, were laid during the year; the 48-inch pipe extends from the junction of Fisher avenue and Boylston street through Boylston, Walnut, and Washington streets in Brookline, and through Huntington avenue, to Heath street, a length of 8,290 feet; 7,965 feet of this were laid by contract. At Heath street the pipe is divided into 42-inch and 36-inch lines; the 42-inch pipe continues through Huntington avenue, Clarendon street, Newbury street, the Public Garden and the Common, to Park street. Connection is made with the 20-inch high-service pipe in Huntington avenue, at Wait and Gainsboro' streets. On the Common, after connecting with the 20-inch high-service pipe, the 42-inch line is reduced to 30 inches. Opposite Temple place the 30-inch pipe is again reduced to 16-inch and continued to Park street. The length of 42-inch pipe laid was 15,478 feet, of which 9,186 feet were laid by contract. Water was let on to the 48 and 42 inch lines as far as Wait street on October 20, 1895.

From Huntington avenue and Heath street the 36-inch line runs through Heath street as far as Parker street, and is connected with the 24-inch high-service pipe at Hayden street and at Parker street. These new lines have given an increased pressure in Roxbury and Dorchester, of nine and six pounds respectively at times of minimum pressure; when the water was turned on, Parker-Hill Reservoir quickly filled up, and was shut off to prevent overflowing. It is now out of service, and will be maintained as a reserve reservoir for use in emergency.

A small pumping-plant has been established on Wayne street, at Blue Hill avenue, to improve the service in the Elm-Hill district.

The distributing mains connected with the Mystic works

have been extended 4.9 miles, and 7.4 miles have been relaid. The total length now in service is 178.6 miles.

There has been an increase of 242 in the number of hydrants connected with the Cochituate works, making a total now in use of 6,459.

On the Mystic works 97 hydrants have been added, and the total now in use is 1,543.

260 petitions for main pipe have been reported upon, and 88 contracts for rock excavation have been made.

Various profiles have been made, levels taken, and lines and grades furnished for the main-pipe laying.

All pipe laid has been located and plotted on the plans.

During a severe spell of cold weather in January the pipes between the islands in the harbor were frozen, and burst in a number of places. Service between Moon and Long Islands was at once reëstablished by laying a 2-inch lead pipe, and as soon as practicable contracts were awarded for laying 6-inch pipe, with Ward's flexible joints, between Long and Moon Islands and Long and Gallop's Islands. In each case the pipes were laid in a trench excavated 6 feet deep between mean high-water marks. After the lines were tested the trenches were carefully back-filled. A contract has also been awarded for laying a 4-inch flexible pipe from Long Island to Rainsford Island. This work is now in progress.

Appended to this report will be found the usual tables of rainfall, consumption, etc., for the past year, and in addition, tables are given of the rainfall, rainfall collected, and percentage collected on the Cochituate water-shed since 1863, on the Sudbury-river water-shed since 1875, and on the Mystic water-shed since 1878. These will be found valuable for future reference.

GENERAL STATISTICS.

SUDBURY AND COCHITUATE WORKS.	1892.	1893.	1894.	1895.
Daily average consumption in gallons....	41,312,400	47,453,200	46,560,000	50,801,100
Daily average consumption in gallons per inhabitant.....	96.1	107.5	99.8	104.3
Daily average amount used through meters, gallons.....	11,225,900	11,651,600	11,170,400	12,084,500
Percentage of total consumption metered.	27.2	24.6	24.0	23.8
Number of services.....	65,074	66,586	68,556	70,879
Number of meters and motors.....	4,412	4,585	4,877	4,910
Length of supply and distributing mains, in miles.....	536	560	572.8	595.9
Number of fire-hydrants in use.....	5,793	6,042	6,217	6,459
Yearly revenue from water-rates ...	\$1,433,413 78	\$1,637,531 94	\$1,644,405 25	\$1,784,054.01
Yearly revenue from metered water....	\$649,672 31	\$683,648 52	\$672,474 17	\$711,467.39
Percentage of total revenue from metered water.....	45.3	41.8	40.9	39.9
Cost of works on February 1.....	\$22,243,351 56	\$22,727,456 03	\$23,583,967 89	\$25,052,227.53
Yearly expense of maintenance.....	\$392,762 21	\$433,408 18	\$440,840 63	\$420,907.09
MYSTIC WORKS.				
Daily average consumption in gallons....	9,810,600	10,742,600	10,282,100	9,467,000
Daily average consumption in gallons per inhabitant.....	78.8	84.4	87.6	83.3
Daily average amount used through meters, gallons.....	1,862,200	1,921,570	2,014,000	2,105,800
Percentage of total consumption metered.	19.0	17.9	19.6	22.2
Number of services.....	21,588	22,398	23,257	24,120
Number of meters and motors.....	560	482	515	525
Length of supply and distributing mains, in miles.....	160	165	173.7	178.6
Number of fire-hydrants in use.....	1,223	1,306	1,446	1,543
Yearly revenue from water-rates.....	\$394,008 76	\$421,573 48	\$447,554 35	\$481,017.15
Yearly revenue from metered water....	\$106,685 56	\$109,367 37	\$115,811 32	\$121,436.10
Percentage of total revenue from metered water.....	26.8	25.9	25.9	25.2
Cost of works on February 1.....	\$1,713,227 00	\$1,721,609 33	* \$1,676,471 94	\$1,803,775.29
Yearly expense of maintenance.....	\$129,354 49	\$160,643 97	\$156,214 05	\$189,194.61

* \$52,637.00 credited on account of sale of portion of Mystic Sewer.

TABLE I.
Daily Average Consumption of Water, in Gallons, from the Cochituate and Mystic Works.

COCHITUATE WORKS.												MYSTIC WORKS.				
MONTH.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1898.	1899.	1900.	1901.	1892.	1893.	1894.	1895.	
January	30,172,000	33,680,000	37,230,100	36,756,400	53,847,100	48,395,000	51,476,100	11,107,100	7,769,500	8,187,900	9,389,300	9,878,200	14,129,700	11,823,500	9,528,100	
February	35,855,200	33,030,700	37,280,700	38,881,500	51,299,400	49,207,500	58,905,100	11,620,900	9,073,600	8,289,700	9,466,900	10,332,200	13,174,700	12,295,000	12,953,200	
March	32,180,000	30,844,400	35,633,400	38,395,100	48,700,200	44,844,300	52,706,700	9,242,000	7,537,600	8,055,800	8,811,000	9,970,500	11,892,700	10,720,800	8,712,200	
April	30,814,500	30,446,600	35,751,600	37,171,000	45,573,100	40,070,200	46,614,200	7,276,700	7,185,700	7,481,600	8,045,800	9,145,000	9,812,500	10,236,200	8,098,000	
May	32,719,500	31,381,200	36,580,700	37,055,900	43,451,500	41,827,700	46,470,500	6,932,300	7,663,600	7,488,400	8,841,300	9,204,900	9,817,400	10,661,000	9,426,500	
June	33,377,900	33,022,700	37,801,900	41,564,000	44,125,100	45,906,400	47,089,500	7,615,200	8,017,700	8,396,000	9,478,400	10,146,300	10,460,000	12,552,300	11,509,200	
July	31,870,300	36,701,100	39,062,600	45,738,100	48,986,900	50,044,000	50,064,800	8,267,500	8,315,600	9,463,300	9,581,700	10,702,900	10,167,000	12,172,000	9,265,900	
August	31,403,200	36,316,100	39,460,400	45,031,600	48,062,000	47,288,500	53,095,100	7,859,100	8,113,200	8,932,200	9,122,800	9,751,500	9,826,200	10,696,700	8,117,400	
September	31,722,600	36,165,800	40,677,700	45,261,900	46,926,500	48,558,700	53,246,900	7,266,300	7,906,000	8,436,700	9,128,700	9,549,400	9,115,000	8,703,600	9,937,900	
October	31,702,200	33,429,800	38,984,600	44,626,700	46,416,600	47,072,500	49,278,000	7,096,400	7,627,500	7,784,100	9,259,100	9,340,500	9,630,400	7,421,200	8,667,800	
November	31,532,400	32,955,100	36,640,800	41,347,800	44,328,900	47,101,500	48,258,600	6,990,800	7,316,700	7,601,300	8,585,200	9,230,000	9,569,700	7,563,100	8,453,400	
December	31,829,000	38,334,100	37,342,500	43,766,400	47,807,800	48,511,600	52,934,800	7,918,600	7,473,200	9,448,300	8,960,600	10,473,700	11,020,800	8,667,800	9,276,700	
Yearly average .	32,070,000	33,871,700	37,686,900	41,312,400	47,453,200	46,560,000	50,801,100	8,258,400	7,830,500	8,301,400	9,055,200	9,810,800	10,742,500	10,252,100	9,457,000	

¹ From June 7 to July 29 about 3,000,000 gallons per day were wasted from a blow-off.

² After September 12 Charlestown was supplied with Cochituate water.

³ Charlestown was supplied with Cochituate water from January 1 to February 6, February 21 to May 18, and July 13 to January 1, 1896.

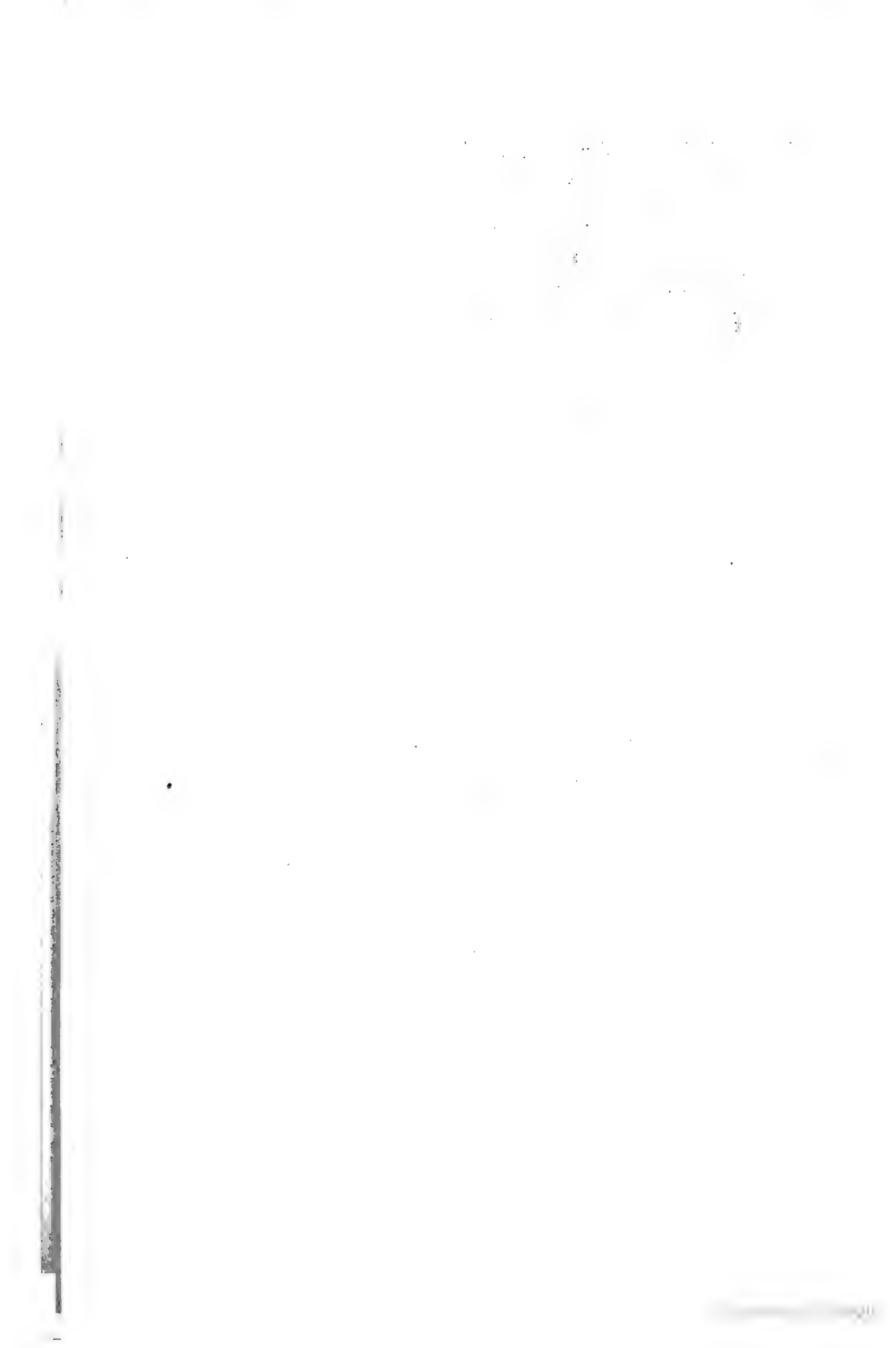


TABLE II.
Diversion of Sudbury-River Water, 1888-1895.

MONTH.	1888.		1889.		1890.		1891.		1892.		1893.		1894.		1895.	
	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.	To Chestnut Hill Res'r.	To Lake Cochituate.
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.
January	894,400,000	. . . . .	484,500,000	. . . . .	518,600,000	. . . . .	715,900,000	. . . . .	630,800,000	. . . . .	1,325,900,000	. . . . .	1,012,000,000	. . . . .	1,186,100,000	. . . . .
February	906,700,000	. . . . .	564,600,000	. . . . .	475,000,000	. . . . .	560,800,000	. . . . .	610,400,000	. . . . .	957,600,000	. . . . .	944,000,000	. . . . .	1,318,400,000	. . . . .
March	691,400,000	. . . . .	554,500,000	. . . . .	498,600,000	. . . . .	575,200,000	. . . . .	625,200,000	. . . . .	1,023,900,000	. . . . .	947,100,000	. . . . .	1,115,800,000	. . . . .
April	468,800,000	. . . . .	490,500,000	. . . . .	417,000,000	. . . . .	641,900,000	. . . . .	662,500,000	. . . . .	917,000,000	. . . . .	725,600,000	. . . . .	982,300,000	. . . . .
May	566,300,000	. . . . .	615,700,000	. . . . .	536,300,000	. . . . .	740,300,000	. . . . .	690,490,000	. . . . .	858,600,000	. . . . .	826,500,000	. . . . .	931,500,000	. . . . .
June	489,000,000	. . . . .	567,600,000	. . . . .	513,100,000	. . . . .	629,500,000	. . . . .	779,300,000	. . . . .	656,700,000	. . . . .	80,700,000	. . . . .	941,100,000	. . . . .
July	525,900,000	. . . . .	534,000,000	. . . . .	664,100,000	. . . . .	755,100,000	. . . . .	948,000,000	. . . . .	1,040,800,000	. . . . .	1,034,600,000	. . . . .	1,061,900,000	. . . . .
August	626,600,000	. . . . .	443,700,000	. . . . .	625,500,000	. . . . .	722,900,000	. . . . .	897,700,000	. . . . .	994,100,000	. . . . .	631,600,000	. . . . .	1,147,600,000	. . . . .
September . . .	581,600,000	. . . . .	475,500,000	. . . . .	606,400,000	. . . . .	732,400,000	. . . . .	878,300,000	. . . . .	948,300,000	. . . . .	987,100,000	. . . . .	1,142,800,000	. . . . .
October	435,900,000	. . . . .	414,100,000	. . . . .	539,900,000	. . . . .	715,300,000	. . . . .	908,500,000	. . . . .	958,600,000	. . . . .	1,100,000	. . . . .	951,700,000	. . . . .
November . . .	410,900,000	. . . . .	454,800,000	. . . . .	526,000,000	. . . . .	752,200,000	. . . . .	788,000,000	. . . . .	462,700,000	. . . . .	400,000	. . . . .	998,600,000	. . . . .
December . . .	605,200,000	. . . . .	501,200,000	. . . . .	673,500,000	. . . . .	787,100,000	. . . . .	1,216,100,000	. . . . .	995,700,000	. . . . .	1,000,000	. . . . .	1,130,700,000	. . . . .
Totals	7,224,700,000	253,400,000	6,130,500,000	6,596,000,000	5,306,600,000	902,300,000	9,633,200,000	11,737,900,000	962,200,000	11,450,600,000	806,800,000	12,805,300,000	13,805,300,000	37,822,700	13,805,300,000	37,822,700
Total diversion from Sudbury river.	7,224,700,000	6,363,900,000	5,596,000,000	8,306,000,000	11,737,900,000	12,412,900,000	34,007,700	32,158,600	34,007,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700
Average daily diversion for whole year.	19,739,800	17,436,300	18,071,200	22,757,800	28,800,000	32,158,600	34,007,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700	37,822,700

TABLE III.

Statement showing Amount of Water drawn from Lake Cochituate; Amount wasted; Amount of Rainfall collected in Lake; Amount received into Lake from Sudbury River; Percentage of Rainfall collected, etc., 1852 to 1895; Water-shed of Lake, 12,077 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	Amount received into Lake from Sudbury River.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rainfall collected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
				Gain.	Loss.					
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1852 ¹	2,974,042,800	4,030,566,900			261,360,000	6,733,249,700	18,396,900	47.93	20.61	43.
1853	3,117,939,500	3,166,417,500		230,590,000		6,523,937,000	17,973,800	55.73	19.51	35.
1854	3,614,230,000	4,187,733,000			217,800,000	7,584,163,000	20,778,600	43.15	22.87	53.
1855	3,776,399,500	No account kept			326,700,000			34.96		
1856	4,400,787,600	"		598,950,000				40.80		
1857	4,644,990,000	10,625,000,000		32,670,000		15,303,560,000	41,927,600	63.10	46.69	74.
1858	4,689,155,000	1,934,500,000			141,570,000	6,482,085,000	17,756,000	48.66	19.46	40.
1859 ²	4,808,875,000	7,569,000,000		283,140,000		12,661,015,000	34,687,700	49.02	38.24	78.
1860	6,309,108,000	None.		174,240,000		6,483,348,000	17,714,100	55.44	19.40	35.
1861	6,639,005,900	3,877,559,000			1,459,260,000	8,557,864,900	23,444,900	45.44	25.45	56.
1862	6,059,000,000	33,200,000		1,306,800,000		7,389,000,000	20,271,200	49.69	22.36	45.
1863	5,927,052,500	2,165,696,500		763,300,000		8,855,049,000	24,260,400	60.30	26.88	39.
1864	6,105,306,700	1,368,746,000			1,848,577,000	5,625,475,700	15,370,200	42.60	18.35	43.
1865	4,621,630,000	1,688,120,700		743,242,500		7,052,983,200	19,323,300	49.46	20.50	41.
1866	4,463,685,000	None.		743,242,500		5,206,827,500	14,265,300	62.32	16.01	26.

1867	4,961,225,000	2,482,041,000	.....	.....	698,811,000	6,734,455,000	18,450,600	56.25	21.80	39.
1868	5,405,615,000	2,507,684,000	.....	346,371,000	.....	8,250,570,000	22,567,200	49.71	24.98	50.
1869	5,503,751,000	1,636,570,000	.....	480,892,000	.....	7,620,203,000	20,877,300	64.34	21.99	34.
1870	5,477,810,000	4,818,971,000	.....	.....	1,736,085,000	8,560,696,000	28,468,900	55.89	26.08	47.
1871	5,223,500,000	None.	.....	.....	280,933,000	4,972,567,000	13,623,500	45.39	15.16	33.
1872	5,775,151,200	None.	.....	1,543,945,500	.....	5,642,480,300	15,416,600	48.47	17.22	35.
1873	6,511,826,900	2,917,977,000	.....	.....	515,132,000	8,914,671,900	24,423,800	45.43	27.13	60.
1874	6,623,972,900	1,145,951,700	.....	.....	1,367,716,000	6,402,109,600	17,540,000	36.93	19.52	54.
1875	7,092,955,500	None.	.....	2,555,800,000	.....	5,760,040,500	15,780,900	45.49	17.57	39.
1876	7,277,175,200	1,619,443,800	.....	2,528,300,000	.....	6,411,557,000	17,517,900	48.49	19.54	40.
1877	7,626,889,200	1,484,978,600	.....	1,804,350,000	.....	7,596,244,800	20,811,600	43.80	23.17	53.
1878	7,743,904,700	3,341,875,000	.....	2,068,300,000	.....	8,637,268,700	23,663,700	53.58	26.34	49.
1879	6,051,838,900	1,523,361,400	.....	411,300,000	.....	5,841,263,000	16,003,300	38.01	17.91	47.
1880	4,284,147,100	65,577,700	.....	826,700,000	.....	3,376,759,800	9,226,100	35.83	10.30	29.
1881	2,846,459,700	2,231,016,700	.....	187,600,000	.....	5,357,965,800	14,679,400	41.09	16.34	40.
1882	3,935,490,600	1,358,543,700	.....	.....	357,334,700	4,936,699,600	13,525,200	40.29	15.05	37.
1883	4,731,227,700	162,361,800	.....	1,245,100,000	.....	3,314,089,500	9,079,700	31.20	10.11	32.
1884	4,533,156,450	1,842,837,100	.....	1,416,300,000	.....	6,300,130,250	17,213,450	46.57	19.21	42.
1885	4,091,674,900	1,006,622,800	.....	.....	8,594,800	5,106,892,500	13,991,500	43.66	15.57	38.
1886	4,432,536,100	3,116,283,200	.....	.....	.....	7,198,157,300	19,693,600	46.97	21.92	47.
1887	4,802,120,700	3,658,652,900	.....	.....	783,205,000	7,697,568,000	21,099,200	41.58	23.47	56.

1 Observations of rainfall at Lake Cochituate commenced 1852, and these observations are assumed as correct for the whole district.

2 Lake raised two feet.

TABLE III.

Statement showing Amount of Water drawn from Lake Cochituate; Amount wasted; Amount of Rainfall collected in Lake; Amount received into Lake from Sudbury River; Percentage of Rainfall collected, etc., 1852 to 1895; Water-shed of Lake, 12,077 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	Amount received into Lake from Sudbury River.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rain- fall collected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
	Gallons.	Gallons.	Gallons.	Gain.	Loss.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1852	2,974,042,800	4,020,566,900	.....	.....	261,360,000	6,733,249,700	18,396,000	47.93	20.61	43.
1853	3,117,939,500	3,166,417,500	.....	230,580,000	.....	6,523,937,000	17,873,800	55.73	19.51	35.
1854	3,614,230,000	4,187,733,000	.....	.....	217,800,000	7,584,163,000	20,778,500	43.15	22.87	53.
1855	3,776,399,500	No account kept	.....	.....	326,700,000	.....	.....	34.96	.....	.....
1856	4,400,787,600	"	.....	598,950,000	.....	.....	.....	40.80	.....	.....
1857	4,644,990,000	10,625,900,000	.....	32,670,000	.....	15,303,560,000	41,927,600	63.10	46.69	74.
1858	4,689,155,000	1,934,500,000	.....	.....	141,570,000	6,482,085,000	17,759,000	48.66	19.46	40.
1859	4,808,875,000	7,569,000,000	.....	283,140,000	.....	12,661,015,000	34,687,700	49.02	38.24	78.
1860	6,309,108,000	None.	.....	174,240,000	.....	6,483,348,000	17,714,100	55.44	19.40	35.
1861	6,630,095,900	3,377,859,000	.....	.....	1,459,260,000	8,557,394,900	23,444,900	45.44	25.45	56.
1862	6,069,000,000	33,200,000	.....	1,308,800,000	.....	7,399,000,000	20,271,300	49.69	22.36	45.
1863	5,927,052,500	2,165,696,500	.....	763,300,000	.....	8,855,049,000	24,260,400	69.30	26.88	39.
1864	6,105,303,700	1,368,746,000	.....	.....	1,848,577,000	5,625,475,700	15,370,200	42.60	18.35	43.
1865	4,621,630,000	1,638,120,700	.....	743,242,500	.....	7,052,993,200	19,323,300	49.46	20.60	41.
1866	4,463,585,000	None.	.....	743,242,500	.....	5,206,827,500	14,265,300	62.32	16.01	26.

1867	4,651,225,000	2,482,041,000	.....	.....	608,811,000	6,734,455,000	18,450,600	56.25	21.30	39.
1868	5,405,515,000	2,507,684,000	.....	346,371,000	.....	8,259,570,000	22,567,200	49.71	24.98	50.
1869	5,503,751,000	1,635,570,000	.....	480,882,000	.....	7,620,203,000	20,977,300	64.34	21.99	34.
1870	5,477,810,000	4,818,971,000	.....	.....	1,734,065,000	8,560,606,000	23,458,900	55.89	26.08	47.
1871	5,228,540,000	None.	.....	.....	250,833,000	4,972,567,000	13,623,500	45.39	15.16	33.
1872	5,775,151,200	None.	.....	1,543,965,500	.....	5,642,480,300	15,416,600	48.47	17.22	35.
1873	6,511,826,900	2,917,977,000	.....	.....	515,132,000	8,914,671,000	24,423,800	45.43	27.13	60.
1874	6,628,972,900	1,145,851,700	.....	.....	1,367,715,000	6,402,109,000	17,640,000	35.93	19.52	54.
1875	7,092,965,500	None.	.....	2,555,800,000	.....	5,760,040,500	15,780,900	45.49	17.57	39.
1876	7,277,175,200	1,619,243,800	.....	2,528,300,000	.....	6,411,557,000	17,517,900	48.49	19.54	40.
1877	7,626,889,200	1,484,978,000	.....	1,894,350,000	.....	7,596,244,800	20,811,600	43.50	23.17	53.
1878	7,743,904,700	3,341,875,000	.....	2,648,300,000	.....	8,637,268,700	23,663,700	53.58	26.34	49.
1879	6,051,838,900	1,523,361,400	.....	411,300,000	.....	5,841,203,000	16,003,300	38.01	17.81	47.
1880	4,284,147,100	65,577,700	.....	826,700,000	.....	3,376,759,800	9,226,100	35.83	10.30	29.
1881	2,846,459,700	2,231,016,700	.....	187,000,000	.....	5,357,965,800	14,679,400	41.09	16.34	40.
1882	3,935,490,600	1,358,543,700	.....	.....	.....	4,936,699,600	13,525,200	40.29	15.05	37.
1883	4,731,227,700	162,361,800	.....	1,245,100,000	.....	3,314,089,500	9,079,700	31.20	10.11	32.
1884	4,533,156,450	1,842,837,100	.....	1,416,300,000	.....	6,300,130,250	17,213,450	45.57	19.21	42.
1885	4,091,674,900	1,006,622,800	.....	.....	.....	5,106,892,500	13,991,500	43.66	15.57	36.
1886	4,432,534,100	3,116,283,200	.....	.....	.....	7,188,157,300	19,693,600	46.97	21.92	47.
1887	4,802,120,700	3,058,662,900	.....	.....	.....	7,697,508,600	21,089,200	41.58	23.47	56.

¹ Observations of rainfall at Lake Cochituate commenced 1852, and these observations are assumed as correct for the whole district.
² Lake raised two feet.

TABLE III.—Concluded.

Statement showing Amount of Water drawn from Lake Cochituate; Amount wasted; Amount of Rainfall collected in Lake; Amount received into Lake from Sudbury River; Percentage of Rainfall collected, etc., 1852 to 1895; Water-shed of Lake, 12,077 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	Amount received into Lake from Sudbury River.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rain- fall collected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
				Gain.	Loss.					
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1888	4,968,503,100	4,229,200,000	. . . . .	959,309,000	. . . . .	10,157,012,100	27,751,400	56.93	30.97	54.
1889	5,570,423,600	3,378,929,000	273,400,000	454,766,800	. . . . .	9,165,719,400	25,111,600	50.23	27.95	56.
1890	5,722,170,800	2,380,441,200	. . . . .	. . . . .	64,166,800	8,038,445,700	22,023,100	51.23	24.51	48.
1891	5,508,178,900	6,064,000,000	. . . . .	. . . . .	1,056,037,800	10,516,121,100	28,811,300	46.42	32.07	60.
1892	5,464,791,300	281,000,000	902,300,000	200,284,300	. . . . .	5,033,775,600	13,753,500	39.04	15.35	39.
1893	5,623,532,500	255,300,000	. . . . .	. . . . .	89,300,000	5,789,632,500	15,862,000	45.28	17.65	39.
1894	5,520,092,100	None.	962,300,000	. . . . .	296,900,000	4,260,992,100	11,674,000	39.08	12.99	33.
1895	5,654,765,700	657,600,000	896,800,000	1,200,400,000	. . . . .	6,615,965,700	18,125,934	48.96	20.17	41.
Averages . .	5,252,013,300	2,245,199,000	. . . . .	. . . . .	. . . . .	7,111,359,300	13,471,800	47.54	21.63	45.

TABLE IV.

Statement showing Amount of Water diverted from Sudbury River to Lake Cochituate and Chestnut Hill Reservoir; Amount wasted. Amount of Flow in River; Percentage of Rainfall collected, etc., 1875 to 1895.

(Water-shed from 1875 to 1878, inclusive, = 77,764 sq. miles; in 1879 and 1880 = 78,238 sq. miles; and from 1881 to 1893, inclusive, = 75.2 sq. miles.)

YEAR.	Amount of Water diverted to Lake Cochituate and Chestnut Hill Reservoir.	Amount of Water used by Framingham Water Co.	Amount of Water wasted from River.	STORAGE.		Total Amount of Flow in River.	Daily average Amount of Flow in River.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
				Gain.	Loss.					
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1875 . . .	2,555,800,000	. . . . .	24,971,600,000	66,300,000	. . . . .	27,563,700,000	75,509,200	45.490	20.418	44.88
1876 . . .	2,528,300,000	. . . . .	29,942,300,000	. . . . .	160,700,000	32,309,900,000	86,978,400	49.563	23.908	48.24
1877 . . .	1,894,350,000	. . . . .	32,438,300,000	112,100,000	. . . . .	34,444,750,000	94,369,200	44.018	25.847	57.90
1878 . . .	3,422,100,000	. . . . .	37,125,200,000	654,700,000	. . . . .	41,202,000,000	112,882,200	57.931	30.487	52.63
1879 . . .	3,749,200,000	. . . . .	20,817,500,000	962,200,000	. . . . .	25,528,900,000	69,942,200	41.419	18.775	45.33
1880 . . .	6,230,200,000	. . . . .	11,290,000,000	. . . . .	958,600,000	16,561,800,000	42,250,300	38.177	12.182	31.91
1881 . . .	8,845,300,000	. . . . .	17,279,000,000	751,700,000	. . . . .	26,876,000,000	73,633,900	44.160	20.565	46.56
1882 . . .	7,735,200,000	. . . . .	16,273,900,000	. . . . .	352,600,000	23,656,600,000	64,812,300	39.394	18.102	46.95
1883 . . .	8,455,000,000	. . . . .	7,251,900,000	. . . . .	1,086,400,000	14,620,600,000	40,056,200	32.780	11.188	34.13
1884 . . .	6,110,600,000	. . . . .	23,228,900,000	1,744,600,000	. . . . .	31,084,100,000	84,929,200	47.135	23.784	50.46
1885 . . .	5,224,700,000	61,800,000	19,878,800,000	. . . . .	446,900,000	24,718,400,000	67,721,600	43.546	18.916	43.44
1886 . . .	5,266,600,000	76,600,000	23,023,000,000	1,464,300,000	. . . . .	29,831,700,000	81,730,700	46.065	22.825	49.55
1887 . . .	6,124,100,000	87,600,000	25,334,500,000	117,400,000	. . . . .	31,663,500,000	86,749,300	42.706	24.227	54.73
1888 . . .	7,224,700,000	61,500,000	39,040,500,000	390,600,000	. . . . .	46,717,300,000	127,642,900	57.465	35.749	62.21

TABLE IV.—*Concluded.*

Statement showing Amount of Water diverted from Sudbury River to Lake Cochituate and Chestnut Hill Reservoir; Amount wasted; Amount of Flow in River; Percentage of Rainfall collected, etc., 1875 to 1895.

(Water-shed from 1875 to 1878 inclusive, = 77,764 sq. miles; in 1879 and 1880 = 78,238 sq. miles; and from 1881 to 1893, inclusive, = 75.2 sq. miles.)

YEAR.	Amount of Water diverted to Lake Cochituate and Chestnut Hill Reservoir.	Amount of Water used by Framingham Water Co.	Amount of Water wasted from River.	STORAGE.		Total Amount of Flow in River.	Daily average Amount of Flow in River.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
	Gallons.	Gallons.	Gallons.	Galn.	Loss.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1889 . . .	6,383,900,000	59,500,000	31,550,400,000	. . . . .	. . . . .	37,971,000,000	104,030,100	49.95	29.056	58.17
1890 . . .	6,596,000,000	74,500,000	28,667,100,000	. . . . .	57,400,000	35,250,200,000	96,658,100	53.00	26.998	50.94
1891 . . .	8,306,600,000	80,500,000	28,799,600,000	. . . . .	1,100,800,000	36,085,900,000	98,865,500	49.52	27.612	55.76
1892 . . .	10,535,500,000	82,800,000	11,143,000,000	. . . . .	257,700,000	21,503,600,000	58,753,000	41.83	16.456	39.34
1893 . . .	11,737,900,000	103,000,000	17,405,500,000	. . . . .	789,800,000	28,456,600,000	77,963,300	48.225	21.774	45.15
1894 . . .	12,412,800,000	117,000,000	6,715,900,000	1,901,600,000	. . . . .	21,147,300,000	57,937,800	39.740	16.182	40.72
1895 . . .	13,905,300,000	132,200,000	15,545,600,000	1,137,920,000	. . . . .	31,621,000,000	86,632,900	50.62	24.196	47.80
Averages,	6,910,721,400	85,172,700	22,272,366,700	. . . . .	. . . . .	29,470,078,600	78,220,000	45.845	22.328	47.99

TABLE V.
Statement showing Amount of Water drawn from Mystic Lake; Amount wasted; Amount of Rainfall collected in Lake; Percentage of Rainfall collected, etc., 1876 to 1895; Water-shed of Lake, 17,200 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rainfall col- lected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
	Gallons.	Gallons.	Gain.	Loss.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1876	3,220,101,300	6,369,774,700	. . . . .	32,583,000	9,667,293,000	28,140,100	47.00	20.49	43.6
1877	3,069,554,800	7,250,223,500	. . . . .	16,291,400	10,303,486,900	28,228,700	43.005	22.06	51.2
1878	3,367,490,400	8,718,547,600	. . . . .	26,000,000	12,060,038,000	33,041,200	54.065	25.82	47.8
1879	3,490,848,200	4,625,691,800	. . . . .	203,000,900	7,913,540,000	21,680,900	35.30	16.94	48.0
1880	3,692,195,700	2,168,761,200	. . . . .	113,500,000	5,703,756,900	15,584,000	34.42	12.21	35.5
1881	2,815,579,900	5,534,300,000	371,200,000	. . . . .	8,721,079,900	23,893,400	41.91	18.67	44.5
1882	2,570,896,700	4,444,668,000	15,000,000	. . . . .	7,030,564,700	19,261,800	39.165	15.06	38.4
1883	2,664,514,200	2,034,792,600	. . . . .	847,579,000	4,351,637,800	11,022,300	31.22	9.32	29.84
1884	2,469,761,000	6,574,003,900	380,000,000	. . . . .	9,424,364,800	25,749,800	44.39	20.18	45.46
1885	2,639,278,900	5,558,860,500	. . . . .	33,200,000	8,194,939,300	22,451,900	44.50	17.55	39.43
1886	2,862,947,500	7,743,258,900	. . . . .	28,400,000	10,577,806,400	28,980,300	45.56	22.65	49.71
1887	2,954,257,500	7,414,213,000	. . . . .	11,000,000	10,357,470,500	28,376,000	46.42	22.17	47.77
1888	3,205,121,100	11,334,593,100	. . . . .	6,000,000	14,533,714,300	39,709,600	56.745	31.12	54.84
1889	3,007,539,800	8,879,787,500	12,000,000	. . . . .	11,899,327,300	32,600,900	50.395	25.48	50.56
1890	3,212,284,500	8,953,737,900	. . . . .	3,000,000	12,163,012,400	33,323,300	49.37	26.04	52.75
1891	3,500,817,500	10,027,714,400	. . . . .	171,000,000	13,357,531,900	36,600,000	47.40	28.60	60.34
1892	3,811,766,200	3,474,213,200	177,000,000	. . . . .	7,462,978,400	20,390,700	39.115	15.96	40.85
1893	4,331,743,200	4,058,528,500	. . . . .	95,000,000	9,105,271,700	25,192,500	44.20	19.69	44.54
1894	3,996,805,100	2,752,964,200	. . . . .	23,000,000	6,726,769,300	18,429,500	39.24	14.40	36.70
1895	3,455,490,300	4,528,156,200	156,000,000	. . . . .	8,139,616,500	22,300,300	48.73	17.42	35.76
Averages	3,217,443,200	6,168,334,500	. . . . .	. . . . .	9,384,210,000	25,692,700	44.11	20.09	44.88

TABLE VI.
Average Maximum and Minimum Monthly and Yearly Heights, in Feet, above Tide Marsh Level, to which Water would rise at different Stations on the Boston Water Works.

1895.	Boston Common.		Engine-house No. 8, Salem street.		Engine-house No. 7, East street.		Engine-house No. 38, Congress street, So. Boston.		Engine-house No. 2, Fourth street, So. Boston.		Engine-house No. 9, Paris street, East Boston.		Engine-house No. 16, River street, Dorchester.		Engine-house No. 35, Bunker Hill street, Charlestown.		710 Albany street.		City Hall High service.		Engine-house No. 18, Harvard street, Dorchester.		Engine-house No. 24, Warren street, Roxbury High service.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January	118.0	95.6	112.9	92.5	112.5	95.3	111.1	92.9	112.5	89.4	99.5	70.6	112.2	98.2	107.3	83.1	113.8	97.4	212.3	194.9	211.4	193.5	215.2	201.0
February	109.3	93.2	.	.	104.1	87.4	104.1	84.9	101.2	80.2	91.4	65.5	107.9	90.5	106.7	86.1	110.4	95.0	211.7	195.0	209.4	191.8	202.5	195.1
March	113.9	95.0	112.3	90.5	109.4	89.1	112.5	91.1	111.1	87.3	102.5	70.9	111.3	90.8	110.3	83.3	114.4	97.4	215.1	197.6	215.1	196.7	214.3	200.0
April	117.0	97.0	116.9	94.7	112.3	85.0	115.8	93.1	115.2	89.8	108.4	74.4	114.9	92.3	114.7	86.9	117.3	99.2	217.1	196.3	218.0	196.5	218.4	201.3
May	118.2	97.9	118.0	95.3	113.5	95.4	116.6	92.3	116.0	88.5	109.9	71.7	116.3	90.3	111.4	83.4	118.6	99.8	220.6	191.1	216.5	189.2	218.3	195.0
June	118.3	97.8	118.4	92.3	114.2	93.2	117.2	92.3	116.0	87.1	110.8	75.6	115.3	85.8	113.7	124.0	118.3	98.3	216.1	189.4	218.1	179.4	215.0	189.7
July	118.3	96.1	117.3	96.8	113.5	94.9	117.5	96.9	116.2	93.3	109.7	74.2	115.8	90.3	114.9	85.8	118.7	100.4	218.7	195.5	215.6	189.2	215.7	195.6
August	117.7	96.4	117.1	94.5	112.3	90.5	116.5	95.2	114.8	90.3	108.4	71.1	115.3	87.7	114.0	127.2	118.1	98.6	215.0	193.3	213.2	181.2	213.7	193.3
September	118.0	98.0	117.4	92.1	113.0	92.7	117.1	95.3	113.1	91.5	107.6	71.4	115.6	89.3	114.3	87.6	118.4	99.3	212.2	189.4	210.7	176.7	211.9	189.3
October	117.5	98.1	117.8	96.5	114.0	93.7	117.6	98.0	115.6	93.5	110.5	76.4	116.0	92.3	114.8	87.4	118.2	99.4	211.6	189.3	211.2	177.8	212.6	187.8
November	117.4	98.9	117.4	96.8	113.8	94.9	117.5	99.3	115.5	94.8	110.4	78.0	114.3	92.8	114.7	88.4	118.4	99.6	213.3	180.0	214.0	190.0	215.3	195.3
December	114.4	96.0	114.4	93.1	111.2	93.1	115.3	97.8	111.9	91.3	106.7	76.3	110.9	87.9	110.4	86.6	115.3	94.4	211.4	189.0	210.4	185.7	211.7	191.1
Averages,	116.5	96.9	116.3	94.0	111.9	92.1	114.9	94.1	113.4	89.7	106.3	73.0	113.8	90.3	113.8	86.6	116.6	98.2	213.2	193.7	213.7	198.6	213.0	196.4

¹ During portions of May, June, July, Charlestown was supplied from the Mystic Supply.
² New 48-inch main in service.

TABLE VII.

Statement of Operations of Engines 1 and 2 at the Chestnut Hill Pumping-Station for 1895.

1895.	ENGINE No. 1.		ENGINE No. 2.		Total amount pumped, 2 1/2 allowed for slip.	Gallons.	Total amount of coal consumed.	Total amount of coal consumed.	Per cent. ashes and clinkers.	Quantity pumped per lb. of coal. No correction for heating or lighting.	Quantity pumped per lb. of coal. Corrected for heating and lighting.	Average lift in feet.	DIVISION OF COAL.			Duty in Ft.-Lbs. per 100 lbs. of coal.	From and at 212° F., including feed water heater.		
	Total pumping time.	Amount pumped.	Total pumping time.	Amount pumped.									Heating.	Lighting.	Pumping.				
																		Lbs.	Lbs.	Lbs.
Month.	Mins.	Gallons.	Mins.	Gallons.	Gallons.	Lbs.	Lbs.	Lbs.	Per cent.	Gals.	Gals.	Ft.	Lbs.	Lbs.	Lbs.	Ft.-Lbs.	Lbs.	Actual.	
January .	365 50	151,821,750	419 05	175,879,000	347,700,750	451,537	14,566	35,370	7.5	725.7	824.7	125.90	27,229	26,942	307,366	76,200,800	56,592,100	9.57	11.07
February,	450 42	196,706,000	267 15	114,778,600	311,484,600	415,592	14,843	34,433	8.3	749.5	853.7	121.12	25,433	16,500	373,039	75,709,700	84,210,500	9.15	10.84
March .	228 05	97,681,875	472 20	208,815,750	306,497,625	417,205	13,458	34,151	8.2	734.8	800.5	121.11	22,188	14,083	380,034	74,205,100	51,461,200	9.27	10.94
April .	583 10	250,460,900	26 20	10,788,150	291,249,050	346,618	11,554	36,026	10.4	737.7	819.6	122.01	10,459	17,400	318,750	76,694,600	83,397,000	8.82	10.37
May .	296 20	128,763,100	250 20	106,385,850	245,088,950	328,020	10,381	37,020	11.5	747.2	782.9	122.45	.	14,592	213,428	76,553,400	80,117,500	9.17	10.69
June .	111 20	43,208,650	20 45	7,827,825	51,036,475	56,424	11,286	5,396	9.0	904.5	.	120.9	90,521,100	.	.
July .	200 45	72,023,100	90 20	28,598,775	100,631,875	111,583	11,158	10,332	9.2	901.9	.	120.91	.	.	.	90,287,900	.	.	
August .	170 40	62,801,050	65 00	22,594,050	85,485,100	88,825	12,080	7,652	8.6	962.4	.	110.91	.	.	.	96,244,700	.	.	
September,	719 40	269,721,500	239 50	88,901,200	358,622,700	396,435	13,214	58,468	9.7	904.6	.	119.98	.	.	.	90,519,200	.	.	
October .	727 25	274,591,900	240 10	88,706,500	393,298,400	432,224	13,043	41,005	9.7	840.5	.	120.74	.	.	.	84,639,300	.	.	
November,	454 10	166,109,750	171 00	58,631,250	224,741,000	282,757	12,761	28,194	10.0	791.9	.	120.15	.	.	.	79,845,100	.	.	
December,	43 05	15,393,125	22 09	7,311,575	22,614,700	36,255	12,085	3,324	9.2	623.8	.	120.31	.	.	.	62,587,900	.	.	
Totals and averages,	4,941 12 1,739,292,750	2,285 35	919,218,325	2,658,451,255	10,984,600	2,750,475	15,139	312,352	9.3	790.4	.	121.18	.	.	.	79,879,750	.	.	

TABLE VII.
Statement of Operations at the Chestnut Hill Pumping-Station for 1895. — (Concluded.)

1895.	ENGINE No. 3.										SUMMARY. Engines 1, 2, and 3.		
	Total pumping time.		Amount pumped.	Daily average.	Amount of coal consumed.	Daily average amount.	Amount of ashes and clinkers.	Per cent. of ashes and clinkers.	Average lift of water.	Duty in ft.-lbs. per 100 lbs. of coal.	Total amount pumped.	Daily average amount.	Remarks.
	Hrs.	Min.	Gallons.	Gallons.	Lbs.	Lbs.	Lbs.	Per cent.	Feet.		Gallons.	Gallons.	
January .	17	00	16,128,150	2,688,000	30,265	5,000	3,400	11.2	124.0	56,110,200	843,828,900	11,091,300	
February .	22	30	16,326,225	2,332,300	30,255	4,300	4,780	17.8	124.44	56,003,430	327,810,800	11,707,500	
March .	32	40	28,075,350	4,010,800	36,023	5,200	5,240	14.3	125.46	80,212,700	334,573,000	10,792,700	
April . . .	67	47	53,523,270	3,148,400	84,040	4,900	12,690	15.1	131.64	69,602,800	314,772,300	10,492,400	
May . .	125	51	102,843,280	7,345,950	95,733	6,800	14,230	14.9	124.0	111,096,900	847,982,200	10,901,000	
June . . .	336	22	289,437,400	11,132,200	226,394	9,150	30,782	13.0	123.73	126,345,400	340,473,900	11,349,100	
July . . .	274	55	238,614,900	10,846,100	214,656	9,800	22,825	10.6	124.15	115,097,900	339,246,800	10,943,400	
August . .	307	37	268,589,300	11,101,200	250,029	10,400	27,508	11.0	125.14	112,114,200	354,074,400	11,421,800	
September . . .	...	...	...	...	...	...	...	...	...	...	358,022,700	11,954,100	Engine No. 3 was idle.
October . . .	...	...	...	...	...	...	...	...	...	...	363,298,400	11,719,300	Engine No. 3 was idle.
November . . .	153	22	136,024,500	11,335,400	148,006	12,300	18,060	12.2	125.84	96,396,600	360,765,530	12,025,500	
December . . .	455	12	357,775,900	12,337,100	377,251	13,000	48,396	12.8	124.68	98,615,200	860,390,600	12,270,700	
Totals & averages }	1,793	16	1,507,338,275	9,101,100	1,508,331	9,200	187,951	12.5	125.25	104,737,000	4,165,789,530	11,413,100	

TABLE VIII.
Statement of Operations at the Mystic Pumping-Station for 1895.

1895.	ENGINE NO. 1.			ENGINE NO. 2.			ENGINE NO. 3.			ENGINE NO. 4.		Total amount pumped.	Daily average amount pumped.	Total amount of coal consumed.	Daily average amount of coal.	Total ashes and clinkers.	Per cent. ashes and clinkers.	Quantity pumped per pound of coal.
	Total pumping time.		Amount pumped.	Total pumping time.		Amount pumped.	Total pumping time.		Amount pumped.	Total pumping time.	Amount pumped.							
	Hrs.	Min.	Gallons.	Hrs.	Min.	Gallons.	Hrs.	Min.	Gallons.									
Month.	Hrs.	Min.	Gallons.	Hrs.	Min.	Gallons.	Hrs.	Min.	Gallons.	Hrs.	Min.	Gallons.	Lbs.	Lbs.	Lbs.	Lbs.	Per ct.	Gals.
January . . .	727	15	163,276,300	646	30	132,789,400	. . .	. . .	. . .	. . .	. . .	296,065,700	9,550,500	801,000	25,839	85,385	10.7	369.6
February . . .	369	00	81,373,900	456	30	96,270,800	539	30	183,654,400	. . .	. . .	363,299,100	12,975,000	954,500	34,089	92,476	9.7	380.6
March	59	00	13,001,100	. . .	. . .	. . .	739	15	257,177,600	. . .	. . .	270,178,700	8,715,400	656,600	21,177	71,822	10.9	411.5
April	122	30	29,560,900	72	45	15,704,000	572	30	197,785,600	. . .	. . .	243,070,500	8,102,400	567,000	18,900	62,089	10.9	438.7
May	506	00	115,545,200	103	00	23,978,800	454	15	162,755,200	. . .	. . .	292,279,200	9,428,400	691,500	22,306	76,732	11.1	422.7
June	512	00	107,980,100	. . .	. . .	. . .	720	00	236,774,400	. . .	. . .	344,754,500	11,491,800	780,500	26,016	85,865	11.0	441.7
July	383	30	85,103,800	114	00	24,462,000	528	45	177,996,800	. . .	. . .	287,562,400	9,276,200	685,500	22,113	72,316	10.6	419.5
August . . .	43	45	10,478,400	. . .	. . .	. . .	702	45	236,620,800	11	30	3,735,300	8,092,100	561,500	18,113	61,296	10.9	446.6
September . .	249	00	54,511,000	. . .	. . .	. . .	676	15	230,886,400	26	15	13,608,600	9,956,000	676,000	22,583	79,343	11.7	442.3
October . . .	145	00	32,193,200	. . .	. . .	. . .	602	30	209,664,000	58	30	26,613,000	5,660,300	606,500	19,564	72,224	11.9	442.6
November . .	6	15	3,110,600	. . .	. . .	. . .	634	45	216,576,500	76	00	32,906,300	8,429,700	645,000	18,166	59,823	10.9	464.0
December . .	116	45	24,668,000	. . .	. . .	. . .	506	10	175,999,500	197	45	86,822,000	9,270,600	595,500	19,209	65,445	10.9	504.6
Totals and averages.	3,240	00	720,723,300	1,392	45	295,205,000	6,676	40	2,276,190,200	390	00	163,704,200	9,468,000	8,121,000	22,249	884,316	10.9	425.6

TABLE IX.

Statement of Operations at the East Boston Pumping-Station for the Year 1895.

1895.	ENGINES NOS. 1 AND 2.				ENGINE NO. 3.				Total amount of coal consumed.	Per cent. of ashes and clinkers.
	Total pump- ing time.		Total amount pumped to reservoir.	Daily average.	Total pump- ing time.		Total amount pumped to tank.	Daily average.		
Month.	Hrs.	M.	Gallons.	Gallons.	Hrs.	M.	Gallons.	Gallons.	Lbs.	Per ct.
Jan. .	373	15	14,869,540	479,700	54	25	844,020	27,200	43,900	19.1
Feb. .	410	50	17,078,320	600,900	68	45	1,035,420	37,000	48,750	18.9
March,	374	05	15,328,600	494,500	53	10	816,000	26,300	43,540	18.8
April .	522	50	13,316,800	443,900	53	25	770,160	25,700	36,380	17.8
May .	345	00	14,254,520	459,000	68	15	961,020	31,000	36,150	18.1
June .	334	08	13,063,580	455,500	88	15	1,315,440	43,800	36,100	18.0
July .	336	15	13,821,500	445,900	95	00	1,407,780	45,400	36,630	18.1
Aug.	334	45	13,808,820	447,400	105	45	1,594,260	51,400	37,700	18.0
Sept. .	296	15	12,116,440	403,900	96	20	1,443,300	48,100	35,200	18.3
Oct. .	329	30	13,653,820	440,400	91	15	1,288,440	41,600	35,700	18.2
Nov.	325	00	13,011,880	433,700	88	45	1,169,520	39,000	34,870	18.0
Dec. .	355	25	14,916,460	481,100	116	35	1,693,020	54,600	43,600	18.3
Totals,	4,137	15	169,809,380	465,500	979	55	14,338,380	39,300	468,520	18.4

Engines Nos. 1 and 2 pump to the reservoir.

Engine No. 3 pumps to the tank on Breed's Island.

TABLE X.

Statement of Operations at the West Roxbury Pumping-Station for the Year 1895.

1895.	Total pumping time.		Total amount pumped.	Daily average amount pumped.	Quantity pumped per lb. of coal.	Total amount of coal consumed.	Per cent. of ashes and clinkers.	Average lift.
Month.	Hours.	Min.	Gallons.	Gallons.	Gallons.	Lbs.	Per cent.	Feet.
January . .	390	30	4,611,675	148,700	145.5	31,700	18.6	135.39
February .	410	30	4,783,275	170,800	157.5	30,375	17.1	134.07
March . . .	399	30	4,706,400	151,800	152.6	30,850	17.3	134.83
April . . .	357	00	4,270,200	142,300	162.1	26,350	16.3	136.00
May	395	00	5,019,825	161,900	172.1	29,175	17.4	136.57
June	583	00	6,465,600	215,500	162.8	39,425	20.4	138.88
July	446	30	5,617,950	181,200	166.1	33,825	18.2	138.60
August . .	494	30	6,344,175	204,700	162.7	39,000	18.4	138.09
September .	471	30	6,169,950	205,700	161.0	38,325	19.4	142.52
October . .	440	00	5,783,475	186,600	155.9	37,100	18.4	148.53
November .	410	00	5,540,250	184,700	165.6	33,450	16.8	142.67
December .	462	00	6,102,975	196,900	157.1	38,850	17.3	140.83
Totals and Averages.	5,260	00	65,415,750	179,200	160.2	408,425	18.1	138.97

TABLE XI.

Table showing Work done at the Mystic Sewage Pumping-Station during the year 1895.

1895.	Pumping time.		Amount of sewage pumped and treated.	Sulphate aluminum used.	Coal used.	Daily average amount of sewage pumped and treated.
	Hrs.	Min.	Gallons.	Lbs.	Lbs.	Gallons.
January	543	05	13,239,800	25,360	32,400	428,700
February	472	55	10,492,100	21,560	28,100	388,600
March	523	00	13,670,000	25,740	32,500	441,000
April	474	45	10,254,800	20,470	28,300	363,600
May	464	05	9,529,400	20,085	28,200	362,900
June	390	11	7,296,900	17,775	23,500	304,000
July	279	45	5,480,500	12,550	16,200	322,400
Totals	3,147	45	70,018,500	143,540	189,200	376,400

Total number of days engine worked, 186.

Plant turned over to the Metropolitan Sewerage Commission on July 19, 1895.

TABLE XII.

Rainfall in Inches and Hundredths on Sudbury River Water-shed for the Year 1895.

1895.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1						0.35					1.18	
2		0.150	0.020					0.10				0.30
3				0.370							0.50	
4		0.140	0.110				0.36					
5												0.94
6			0.100			0.545	0.825					
7	0.585							1.355				
8		1.055	0.835							0.185		
9	0.255				0.045		0.51		0.69			
10				1.320							0.155	
11	1.065											
12			0.030					0.27	0.56			
13	0.065				0.680	0.08	0.46					0.01
14			0.750	2.755			0.065			7.995		
15					0.560	0.915				0.04	2.465	
16	0.475		0.120	0.095			0.065					
17											0.87	
18	0.205				0.235			1.13	0.14			
19												
20								0.12			0.07	
21							0.41				0.37	
22	0.255	0.050		0.185		0.02						0.915
23												
24								0.005			0.205	
25			0.145	0.015		0.555					0.185	
26	0.995				0.055				0.135		1.905	
27				0.295	0.315		0.13					0.41
28			0.195							0.055		
29	0.160					1.115		0.28				
30			0.085	0.215		0.080	2.215		0.675			
31					0.130			0.99		1.255		0.775
Totals .	4.060	1.895	2.980	5.250	2.020	2.770	5.040	4.150	2.300	9.500	7.805	3.360

Total rainfall during the year, 50.62 inches, being an average of two gauges located at Framingham and Ashland.

TABLE XIII.

Rainfall in Inches and Hundredths at Lake Cochituate for the Year 1895.

1895.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1											1.14	
2		0.16	0.01					0.09			0.50	0.27
3				0.38								
4		0.11	0.10		0.08		0.32					
5												0.83
6			0.09			0.37	0.55					
7	0.52							1.67				
8		1.38	0.91		0.04					0.25		
9	0.20			1.01			0.51		0.59		0.15	
10				0.16								
11	1.07								1.17			
12			0.03		0.66			0.32				
13	0.07					0.14	0.39			0.95		
14			0.77				0.18					
15				2.79	0.59					0.04	2.37	
16	0.48		0.11	0.04	0.02		0.06					
17											0.86	
18	0.19				0.21			1.09	0.12			
19												
20								0.02			0.47	
21		0.05				0.03						
22	0.26			0.18								0.57
23												
24						0.39					0.18	
25			0.15			0.15						
26	0.98				0.09				0.30		1.79	
27				0.25	0.17		0.13			0.06		0.32
28			0.26			0.91						
29	0.16		0.08					0.10				
30				0.22		1.13	2.57		0.59			
31					0.17			0.67		1.13		0.72
Totals . .	3.93	1.70	3.11	5.03	2.03	3.12	4.71	3.96	2.77	8.43	7.46	2.71

Total rainfall during the year, 48.96 inches.

TABLE XIV.

Rainfall in Inches and Hundredths on Mystic Lake Water-shed for the Year 1895.

1895.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1						0.04	0.23				1.405	
2		0.110	0.600					0.115			0.585	0.21
3				0.365								
4		0.110			0.260	0.225	0.18					
5			0.095									
6			0.095		0.585	0.09	0.225					0.64
7	0.425							2.55				
8		0.425	0.800							0.265		
9	0.220		0.010	0.785			0.61					
10				0.100							0.16	
11	0.965											
12								0.175	1.305			
13	0.095				1.255	0.685						
14			0.790				0.76			7.025		
15				2.190	0.470					0.075	2.210	
16	0.410		0.090	0.000								
17							0.04				0.80	
18					0.22			1.99	0.085			
19	0.150											
20								0.025			0.485	
21		0.010									0.185	
22	0.245		0.030	0.210	0.085	0.04	0.08					0.56
23												
24								0.01			0.485	
25			0.160	0.065		0.40			0.060			
26	0.900		0.025		0.09			0.01	0.030		0.155	
27				0.215					0.175	0.075	1.245	0.355
28			0.205		0.235		0.215					
29	0.125		0.060					0.045				
30			0.040	0.195		2.150	1.985		0.385			
31								0.515		1.350		0.535
Totals . .	3.536	0.655	3.000	4.185	3.150	3.630	4.345	5.435	2.040	8.790	7.665	2.300

Total rainfall during the year, 48.73 inches, being an average of two gauges, located at Mystic Lake and Mystic Reservoir.

TABLE XV.
Monthly Rainfall in Inches, during 1895, at Various Places in Eastern Massachusetts.

PLACE.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Framingham	3.68	1.45	2.95	5.38	1.94	3.23	5.17	4.00	2.19	10.07	7.94	3.20	61.40
Dam 4, Ashland	4.24	1.34	3.01	5.12	2.10	2.31	4.91	4.30	2.41	8.93	7.67	3.50	49.84
Cordaville	4.06	1.77	2.95	5.33	2.19	3.10	4.63	4.38	2.27	9.38	7.47	3.48	51.01
Lake Cochituate	3.93	1.70	3.11	5.03	2.03	3.12	4.71	3.96	2.77	8.43	7.46	2.71	48.96
Chestnut Hill	3.91	.88	2.91	4.60	2.58	2.21	3.55	3.91	2.15	9.21	7.69	2.33	45.98
Mystic Lake	3.84	.88	3.15	4.46	2.71	3.51	4.66	5.31	2.23	9.24	7.95	1.96	49.90
Winchester	3.23	.43	2.85	3.91	3.59	3.75	4.03	5.56	1.85	8.34	7.38	2.64	47.56
Mystic Pumping-station	3.62	.75	2.85	4.28	2.54	3.14	4.04	5.29	1.53	9.27	7.47	2.17	46.96
Cambridge Observatory	3.85	1.23	2.66	3.58	1.98	2.73	3.35	3.90	2.14	7.10	8.84	2.19	43.55
Waltham, Boston Manufacturing Co.	4.08	1.29	3.01	4.67	2.03	3.67	4.04	4.92	2.55	11.08	6.17	2.61	50.12
Lowell, Locks and Canals Co.	3.30	1.47	2.66	4.57	1.68	2.63	2.66	2.02	2.23	6.67	8.16	2.68	40.73
Average of above eleven places	3.81	1.19	2.92	4.63	2.31	3.04	4.16	4.32	2.21	8.88	7.65	2.67	47.81

TABLE XVI.

Table showing the Temperature of Air and Water at Various Stations on the Water-Works.

1895.	TEMPERATURE OF AIR.						TEMPERATURE OF WATER.	
	Chestnut-Hill Reservoir.			Framingham.			Brookline Reservoir.	Mystic Engine-House.
	Maximum.	Minimum.	Mean.	Maximum.	Minimum.	Mean.	Mean.	Mean.
January	50.0	2.0	25.3	49.0	-4.0	23.4	37.0	28.2
February	44.5	-8.5	22.4	45.0	-13.0	20.1	36.0	23.8
March	53.5	11.5	34.2	52.0	11.0	32.5	37.0	34.3
April	62.0	24.0	46.1	79.0	22.0	45.1	44.6	47.1
May	94.0	27.5	61.2	92.0	26.0	59.8	59.1	61.2
June	91.0	46.0	69.1	93.0	43.0	67.8	60.4	60.5
July	93.0	48.0	69.1	93.0	44.0	67.1	71.3	70.8
August	92.0	47.5	70.4	87.0	40.0	67.9	72.9	71.2
September	96.0	38.0	65.3	96.0	34.0	63.8	70.0	67.4
October	71.0	21.0	47.4	69.0	22.0	47.0	55.9	48.8
November	73.5	14.5	43.9	73.0	16.0	43.8	46.4	40.3
December	63.0	6.0	33.3	50.0	6.0	33.4	38.1	36.2

Note. — The maximum and minimum air temperatures in above table are the highest and lowest temperatures in any one day of the month. The mean air temperature is the average of the maximum and minimum temperatures of the whole month. The water temperatures are the mean temperatures for the whole month.

TABLE XVII.
Rainfall in Inches on Cochituate Watershed, 1863 to 1895.

Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1863	4.10	4.38	3.57	11.34	2.66	1.98	14.12	5.61	3.29	4.56	8.54	6.05	69.39	27.68
1864	3.37	0.98	8.44	4.02	2.84	0.58	1.06	3.56	1.82	6.50	5.46	4.28	42.60	12.64
1865	4.99	4.45	5.48	2.18	8.25	0.91	3.10	3.36	1.66	6.99	4.78	3.31	49.46	15.11
1866	1.44	5.80	3.92	1.94	6.46	4.80	13.35	3.98	8.36	3.43	4.52	4.32	62.32	29.12
1867	2.76	5.40	5.65	2.43	6.46	2.95	5.36	12.36	1.06	7.27	2.63	1.90	56.26	26.07
1868	3.70	1.18	2.51	5.61	8.12	2.95	2.16	7.38	7.99	1.19	6.77	0.45	49.71	18.42
1869	3.71	7.07	7.52	2.57	7.59	3.68	2.63	2.34	8.49	9.50	3.26	5.98	64.34	22.96
1870	7.35	4.68	6.04	8.81	3.14	4.05	3.10	2.03	0.64	7.96	4.40	3.19	55.89	13.73
1871	1.31	2.30	5.02	2.29	5.66	5.96	2.20	3.55	1.46	5.38	7.01	3.24	46.39	12.60
1872	1.86	1.37	3.06	1.74	3.24	4.27	5.55	9.76	6.29	3.69	4.23	3.42	48.47	25.29
1873	4.24	2.43	3.08	2.69	3.24	0.38	4.08	7.17	2.62	6.11	4.54	3.95	46.43	19.98
1874	2.96	2.90	1.19	6.36	3.40	4.79	3.16	4.83	1.56	1.04	2.06	1.70	35.93	10.58
1875	2.42	3.15	3.74	3.23	3.56	6.24	3.57	5.53	3.43	4.85	4.83	0.94	45.49	17.38
1876	1.83	4.21	7.43	3.24	2.80	1.60	9.40	2.19	3.98	2.00	6.59	3.13	48.49	17.66
1877	3.19	0.53	7.79	3.24	3.73	2.64	2.77	3.36	0.46	8.14	6.94	1.02	43.80	14.72
1878	5.77	6.93	4.20	5.63	0.83	3.33	3.47	6.94	1.12	5.15	6.09	5.12	53.58	16.86
1879	2.00	3.05	3.90	4.69	1.20	4.14	3.38	6.43	1.74	0.90	2.98	3.60	38.01	12.45
1880	3.07	4.06	2.83	2.94	1.98	1.25	7.00	3.31	1.00	2.96	1.70	2.56	36.83	15.45

ENGINEERING DEPARTMENT.

99

1881	5.56	4.43	4.79	1.71	3.18	4.83	2.78	1.13	2.13	2.87	3.85	3.83	41.00	8.91
1882	5.93	3.96	2.76	1.89	4.73	1.87	3.49	1.14	9.20	2.22	0.93	2.17	40.29	16.06
1883	2.86	3.59	1.76	2.27	3.96	1.81	2.88	0.39	1.31	5.16	2.06	3.14	31.20	9.74
1884	4.39	6.04	4.50	3.80	2.92	3.88	4.42	4.49	0.90	2.59	2.33	5.31	45.57	12.40
1885	5.25	3.98	1.09	3.71	3.46	2.96	1.13	7.01	1.63	5.26	5.26	2.32	42.66	15.63
1886	6.53	6.86	3.46	2.00	2.97	1.21	3.30	3.75	3.20	3.16	4.76	5.77	46.97	13.41
1887	5.29	5.34	6.10	4.45	1.02	2.58	3.77	3.70	1.28	2.49	2.76	3.80	41.38	11.24
1888	4.13	3.55	5.60	2.51	4.63	2.07	1.67	6.32	8.81	4.95	7.08	6.66	56.98	21.75
1889	5.46	1.56	2.28	3.19	3.64	3.17	9.10	4.57	4.92	3.85	6.79	2.70	50.23	22.44
1890	2.34	3.91	7.35	2.51	5.31	1.78	2.31	3.34	6.47	10.11	1.24	6.26	51.23	22.23
1891	6.67	6.02	5.49	3.62	1.67	3.78	2.99	4.91	2.12	4.14	2.84	3.17	46.42	14.16
1892	4.78	2.80	4.12	0.78	5.46	3.23	3.47	3.79	2.87	1.42	5.14	1.18	39.04	11.55
1893	2.61	7.26	3.13	3.21	5.45	2.75	2.40	5.86	1.76	3.74	2.08	5.03	45.28	13.76
1894	3.95	3.89	1.16	3.27	3.70	1.61	3.61	2.57	2.27	5.14	3.53	4.38	39.08	13.59
1895	3.93	1.70	3.11	5.03	2.03	3.12	4.71	3.96	2.77	9.57	6.32	2.71	48.96	21.01
Totals	130.27	127.05	141.97	118.90	120.28	97.15	142.18	151.12	108.81	134.28	143.22	113.59	1,557.82	566.39
Averages	3.95	3.85	4.30	3.66	3.97	2.94	4.31	4.58	3.30	4.67	4.34	3.44	47.21	16.86

TABLE XVIII.
Rainfall collected, in Inches, on Cochituate Water-shed, 1863 to 1895.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1863	1.93	3.11	3.71	4.42	1.44	0.67	2.97	1.51	0.98	1.32	2.65	2.17	26.88	6.78
1864	2.39	1.56	4.05	2.65	1.62	0.49	0.41	0.68	0.49	1.43	1.25	1.33	18.35	3.01
1865	2.15	1.74	4.66	2.70	4.70	0.34	0.46	0.47	0.45	0.70	1.00	1.13	20.50	2.08
1866	0.73	2.84	1.76	1.63	1.29	1.10	1.20	0.64	1.34	0.93	0.99	1.56	16.01	4.11
1867	1.10	5.24	3.50	2.87	2.20	0.65	0.59	2.10	0.31	1.02	1.10	1.12	21.90	4.02
1868	1.22	1.12	3.84	3.49	6.17	1.59	0.45	1.18	1.85	0.95	1.96	1.17	24.98	4.43
1869	1.82	1.84	3.31	2.49	2.20	1.07	0.74	0.58	1.10	2.37	1.30	3.17	21.99	4.79
1870	4.71	3.93	3.38	6.87	1.66	0.97	0.53	0.41	0.86	1.11	0.88	0.77	26.08	2.91
1871	1.03	2.28	2.53	1.58	2.00	0.87	0.43	0.85	0.39	0.69	1.30	1.21	15.16	2.36
1872	1.15	0.93	1.41	3.08	1.10	1.49	0.14	1.32	1.70	1.60	2.00	1.21	17.22	4.85
1873	3.09	1.57	3.89	6.09	2.66	0.45	0.92	1.40	0.78	2.04	1.86	2.68	27.13	4.84
1874	3.55	2.19	1.84	3.19	2.78	1.96	0.95	0.92	0.53	0.52	0.58	0.51	19.52	2.92
1875	0.13	2.92	2.60	3.15	1.39	1.48	0.25	0.62	0.90	1.19	1.96	1.22	17.57	2.66
1876	1.09	1.78	5.19	4.20	1.43	0.51	0.84	0.59	0.88	0.49	1.85	0.99	19.54	2.50
1877	1.20	1.37	6.81	3.24	2.04	0.92	0.65	0.67	0.46	1.16	2.69	1.96	23.17	2.94
1878	3.25	3.97	5.40	2.86	1.66	0.76	0.47	0.84	0.29	0.73	2.07	4.04	26.34	2.33
1879	1.29	2.32	3.30	4.48	1.40	0.77	0.33	0.95	0.61	0.60	0.72	1.04	17.81	2.49
1880	1.47	2.24	1.79	1.57	0.44	0.06	0.33	0.23	0.24	0.49	0.83	0.41	10.30	1.29

1881	1.13	2.23	5.66	1.79	1.26	1.31	0.16	0.09	0.23	0.18	0.84	1.40	16.34	0.66
1882	1.84	3.00	3.67	0.93	1.55	0.62	0.06	0.07	0.97	0.84	0.55	0.92	15.05	1.84
1883	0.84	1.59	2.04	1.66	1.26	0.07	0.02	0.07	0.62	0.59	0.41	0.94	10.11	1.30
1884	1.84	2.86	4.67	4.00	1.39	0.67	0.26	0.61	0.13	0.34	0.62	1.82	19.21	1.34
1885	1.90	2.00	2.21	2.36	1.61	0.43	0.00	0.33	0.25	0.79	2.05	1.64	15.57	1.37
1886	2.28	7.93	3.51	2.52	1.09	0.18	0.25	0.14	0.30	0.42	1.20	2.10	21.92	1.11
1887	4.06	4.34	4.70	3.36	1.35	0.82	0.72	1.33	0.64	0.49	0.70	0.96	23.47	3.16
1888	1.13	2.77	4.76	3.45	2.37	0.53	0.47	0.94	2.31	2.67	4.21	5.46	30.97	6.29
1889	4.50	1.85	2.08	2.17	1.20	1.18	1.65	3.43	1.79	1.91	2.95	3.26	27.96	8.76
1890	1.92	2.04	5.87	2.23	1.85	1.41	0.33	0.46	1.40	3.40	1.49	2.11	24.51	5.59
1891	6.26	6.62	8.03	4.31	0.88	0.77	0.50	0.72	0.76	0.79	0.83	1.60	32.07	2.77
1892	3.18	1.64	3.12	0.90	2.03	0.49	0.33	0.56	0.60	0.57	1.09	0.84	15.35	2.06
1893	0.64	2.55	4.12	2.42	1.83	0.75	0.38	0.77	0.42	1.00	1.00	1.68	17.65	2.66
1894	1.27	1.69	2.55	2.15	0.91	0.45	0.38	0.41	0.46	0.66	0.92	1.14	12.99	1.91
1895	1.58	0.75	3.50	3.35	0.97	0.40	0.55	0.50	0.69	1.97	3.51	2.40	20.17	3.71
Totals	67.73	86.81	123.52	98.15	59.73	26.23	18.40	26.09	25.43	36.04	49.39	56.16	673.68	105.96
Averages	2.05	2.63	3.74	2.97	1.81	0.79	0.56	0.79	0.77	1.09	1.50	1.70	20.41	3.21

TABLE XIX.
Percentage of Rainfall collected on Cockituate Water-shed, 1863 to 1895.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly.	4 months, July-Oct.
1863	47.0	71.0	104.0	39.0	54.0	34.0	21.0	27.0	29.0	29.0	31.0	43.0	38.8	24.5
1864	71.0	159.0	48.0	66.0	57.0	84.0	39.0	19.0	32.0	22.0	23.0	31.0	43.0	23.8
1865	43.0	39.0	85.0	124.0	57.0	37.0	15.0	14.0	27.0	10.0	21.0	34.0	41.4	13.8
1866	51.0	49.0	45.0	84.0	20.0	23.0	9.0	16.0	16.0	27.0	22.0	36.0	25.7	14.1
1867	40.0	97.0	62.0	118.0	34.0	22.0	11.0	17.0	29.0	14.0	42.0	59.0	38.7	15.4
1868	33.0	95.0	153.0	62.0	76.0	54.0	21.0	16.0	24.0	80.0	29.0	261.0	50.2	24.0
1869	49.0	26.0	44.0	97.0	29.0	29.0	28.0	25.0	13.0	25.0	40.0	53.0	34.2	20.9
1870	60.0	84.0	56.0	78.0	53.0	24.0	17.0	20.0	134.0	14.0	20.0	24.0	46.7	21.2
1871	79.0	99.0	50.4	68.8	35.3	14.6	19.6	23.8	20.8	12.8	18.5	37.4	38.4	18.7
1872	61.8	67.8	46.0	177.3	33.8	34.8	2.6	13.5	27.0	45.7	47.4	35.3	35.5	19.2
1873	72.9	64.8	97.8	226.4	82.2	119.1	15.1	19.5	29.8	33.4	40.9	67.9	59.8	24.2
1874	120.0	75.5	154.7	50.2	81.7	40.8	30.0	19.1	34.3	50.3	28.4	29.9	54.3	27.6
1875	5.5	92.8	71.2	97.5	39.9	23.7	7.1	11.2	17.4	24.6	40.5	129.8	38.6	15.3
1876	59.3	42.4	69.9	129.7	60.9	31.6	8.9	13.3	22.2	24.3	25.1	31.5	40.3	14.2
1877	37.6	258.9	87.4	100.0	54.6	34.8	23.3	19.6	99.8	14.3	38.8	192.6	62.9	20.0
1878	56.3	66.9	128.6	50.7	200.0	23.2	13.5	12.0	25.8	14.3	34.0	78.8	49.2	14.0
1879	64.4	76.3	84.5	95.6	117.0	18.6	9.7	14.7	35.0	66.5	24.2	28.9	46.9	20.0
1880	47.9	55.3	63.3	53.3	22.2	4.5	4.7	6.1	14.3	16.6	48.9	23.5	25.7	8.3

1881	21.5	50.3	118.1	104.8	39.6	27.0	5.8	7.6	10.8	6.4	21.5	36.7	39.8	7.4
1882	31.0	75.9	133.0	49.3	32.8	33.1	1.7	6.2	10.5	37.9	62.4	42.3	37.4	12.1
1883	29.2	44.3	115.8	73.1	31.9	3.7	0.6	18.6	47.4	11.5	20.0	29.8	32.4	13.3
1884	41.8	47.4	103.9	105.1	47.6	17.3	6.0	13.6	14.9	13.1	26.7	34.2	42.2	10.8
1885	36.1	50.2	202.7	63.6	46.7	14.4	0.0	4.8	15.5	15.0	39.0	70.7	35.7	8.8
1886	36.6	107.3	101.9	154.3	43.0	35.5	11.1	7.8	10.7	13.4	21.7	29.7	49.7	8.3
1887	60.2	80.8	72.0	81.3	112.0	47.3	13.2	27.1	32.0	18.7	23.4	25.6	47.8	28.3
1888	27.5	78.0	85.0	137.3	51.2	25.8	28.1	14.9	26.2	51.9	59.9	96.4	54.4	28.9
1889	82.5	118.7	91.5	68.1	32.9	37.1	17.9	75.0	36.4	49.6	50.9	120.9	55.6	39.0
1890	82.0	63.4	79.9	88.9	34.9	79.1	14.2	13.9	21.6	33.7	120.0	40.2	47.9	25.1
1891	93.8	131.9	146.3	119.1	52.8	20.4	16.7	14.7	35.9	19.0	29.2	50.5	69.1	19.8
1892	66.6	58.5	75.7	115.5	37.1	15.3	9.5	14.7	21.1	40.2	21.2	71.1	39.3	17.8
1893	24.5	35.1	131.7	75.7	33.5	27.2	15.9	13.2	23.9	28.8	48.4	33.4	39.0	19.3
1894	32.3	43.5	219.7	65.8	24.6	27.9	10.4	16.1	20.0	13.8	26.1	26.1	83.3	14.1
1895	40.1	44.2	112.4	66.5	47.8	13.0	11.8	12.6	25.0	20.0	55.5	88.6	41.2	17.7
Totals	1704.4	2549.2	3240.4	3085.9	1765.9	1076.8	458.3	567.6	988.3	896.4	1203.9	1993.1	1423.1	609.7
Averages	51.65	77.25	98.19	93.51	53.51	32.63	13.89	17.20	29.94	27.16	36.48	60.39	43.12	18.48

T A B L E X X.
Rainfall, in Inches, on Sudbury-river Water-shed, 1875 to 1895.

Y ^{EAR} .	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1875	2.420	3.150	3.740	3.230	3.660	6.240	3.570	6.530	3.430	4.850	4.830	0.940	45.490	17.380
1876	1.830	4.210	7.430	4.197	2.763	2.040	9.134	1.720	4.614	2.241	5.764	3.620	49.563	17.709
1877	3.216	0.739	8.357	3.436	3.702	2.426	2.951	3.682	0.323	8.615	5.803	0.870	44.016	16.471
1878	5.632	5.973	4.689	5.790	0.956	3.884	2.971	6.937	1.291	6.417	7.024	6.367	57.931	17.016
1879	2.478	3.502	5.140	4.716	1.579	3.789	3.933	6.509	1.878	0.809	2.682	4.344	41.419	13.129
1880	3.566	3.980	3.315	3.105	1.836	2.138	6.273	4.008	1.603	3.740	1.785	2.828	38.177	15.624
1881	5.558	4.646	5.730	2.000	3.511	5.395	2.350	1.358	2.617	2.955	4.091	3.958	44.169	9.280
1882	5.951	4.546	2.649	1.824	5.066	1.664	1.769	1.667	8.741	2.074	1.147	2.296	39.394	14.251
1883	2.810	3.865	1.780	1.845	4.185	2.400	2.680	0.735	1.520	5.600	1.810	3.560	32.780	10.535
1884	5.086	6.545	4.720	4.405	3.470	3.445	3.665	4.650	0.855	2.480	2.645	5.170	47.135	11.650
1885	4.710	3.865	1.070	3.605	3.485	2.865	1.425	7.185	1.425	5.095	6.095	2.720	43.545	15.130
1886	6.365	6.280	3.610	2.224	2.995	1.465	3.285	4.100	2.905	3.235	4.645	4.975	46.065	13.505
1887	5.200	4.780	4.900	4.265	1.165	2.650	3.760	5.280	1.320	2.835	2.670	3.880	42.705	13.195
1888	4.150	3.685	6.020	2.425	4.825	2.535	1.405	6.225	8.585	4.990	7.224	5.395	57.465	21.205
1889	5.370	1.655	2.365	3.410	2.945	2.800	8.940	4.175	4.605	4.255	6.290	3.140	49.950	21.975
1890	2.530	3.505	7.735	2.645	5.210	2.030	2.460	3.865	6.000	10.510	1.200	5.310	53.000	22.835
1891	7.020	5.235	6.475	3.905	2.010	3.770	3.395	4.725	2.380	3.830	3.090	3.685	49.520	14.380
1892	5.850	3.140	4.060	0.830	5.385	2.760	4.220	4.440	2.840	1.170	5.800	1.125	41.830	12.680
1893	2.925	8.195	3.670	3.605	6.610	2.380	2.570	5.415	1.736	4.065	2.195	4.860	48.225	13.785
1894	4.090	3.910	1.435	3.415	4.235	1.165	3.265	2.030	2.635	5.345	3.425	4.810	39.740	13.265
1895	4.060	1.395	2.980	5.250	2.020	2.770	5.040	4.150	2.300	10.680	6.625	3.350	50.620	22.170
Totals	90.816	86.861	91.870	70.127	71.713	60.600	79.041	88.386	63.602	95.691	86.841	77.193	962.741	326.720
Averages . . .	4.325	4.136	4.375	3.339	3.416	2.886	3.764	4.209	3.029	4.557	4.135	3.676	45.846	15.558

TABLE XXI.
Rainfall collected, in Inches, on Sudbury-river Water-shed, 1875 to 1895.

Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1875	0.184	2.411	2.862	5.263	2.119	1.501	0.573	0.706	0.358	1.152	2.248	1.041	20.418	2.789
1876	1.147	2.282	7.911	5.683	2.031	0.383	0.326	0.723	0.318	0.417	1.878	0.809	23.903	1.784
1877	1.174	1.529	8.586	4.132	2.482	1.031	0.360	0.216	0.103	1.127	2.447	2.300	25.487	1.806
1878	3.228	3.972	6.256	2.807	2.487	0.873	0.229	0.848	0.277	0.921	2.922	5.667	30.487	2.275
1879	1.249	2.756	4.156	5.379	1.967	0.713	0.281	0.705	0.243	0.126	0.356	0.825	18.775	1.355
1880	2.000	2.982	2.451	2.017	0.917	0.303	0.315	0.212	0.138	0.181	0.354	0.312	12.182	0.846
1881	0.740	2.491	7.142	2.669	1.721	2.309	0.493	0.264	0.340	0.331	0.682	1.383	20.565	1.428
1882	2.213	3.872	5.064	1.497	2.304	0.913	0.154	0.099	0.539	0.534	0.362	0.561	18.102	1.316
1883	0.597	1.664	2.873	2.330	1.673	0.518	0.206	0.140	0.157	0.331	0.364	0.345	11.188	0.834
1884	1.775	4.742	6.752	4.925	1.836	0.719	0.399	0.458	0.076	0.148	0.302	1.650	23.784	1.061
1885	2.203	2.182	2.805	3.133	2.363	0.735	0.111	0.429	0.209	0.599	2.033	2.094	18.916	1.348
1886	2.606	7.734	3.672	3.361	1.265	0.350	0.206	0.168	0.203	0.260	1.161	1.819	22.825	0.837
1887	4.619	4.558	5.116	4.522	1.799	0.714	0.294	0.382	0.191	0.339	0.636	1.147	24.227	1.116
1888	1.878	3.255	5.775	4.566	2.912	0.728	0.209	0.677	1.994	3.566	4.761	5.428	35.749	6.446
1889	4.063	1.926	2.388	2.434	1.569	1.128	1.130	2.554	1.422	2.194	3.351	3.997	29.056	7.390
1890	2.237	2.463	6.498	3.236	2.437	0.980	0.191	0.235	0.790	4.053	2.097	1.776	26.993	5.269
1891	5.383	5.616	7.944	4.138	1.039	0.714	0.266	0.290	0.350	0.375	0.526	0.971	27.612	1.281
1892	3.355	1.574	3.488	1.504	2.245	0.739	0.382	0.500	0.396	0.234	1.204	0.865	16.456	1.502
1893	0.773	2.485	5.789	3.668	5.143	0.759	0.282	0.322	0.187	0.395	0.550	1.421	21.774	1.186
1894	1.236	1.596	3.992	2.832	1.498	0.723	0.287	0.373	0.258	0.608	1.442	1.277	16.182	1.586
1895	1.844	0.871	4.299	4.341	1.134	0.301	0.411	0.409	0.153	2.460	4.794	3.179	24.196	3.433
Totals	45.384	62.961	105.819	74.437	43.003	17.134	7.015	10.710	8.692	20.401	34.459	38.867	468.882	46.818
Average	2.161	2.998	5.039	3.545	2.048	0.816	0.334	0.510	0.414	0.971	1.641	1.851	22.328	2.229

TABLE XXII.

*Percentage of Rainfall collected on Sudbury-river Water-shed.
1875 to 1895.*

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly.	4 months, July-Oct.
1875 . . .	7.6	76.5	76.5	162.9	59.5	24.0	16.0	12.8	10.4	23.8	46.5	110.7	44.9	16.0
1876 . . .	62.7	54.2	106.5	115.4	73.5	18.8	8.6	42.0	6.9	18.6	32.3	22.3	48.2	10.1
1877 . . .	36.5	206.9	102.7	120.3	67.0	42.5	12.2	5.9	31.9	13.2	42.2	264.4	57.9	11.7
1878 . . .	57.3	66.5	133.4	48.5	200.2	22.5	7.7	12.2	21.5	14.3	41.6	59.0	52.6	12.9
1879 . . .	50.4	77.4	80.9	114.1	125.8	18.8	7.1	10.8	12.9	15.6	13.2	19.0	45.3	10.3
1880 . . .	56.0	74.9	73.9	65.0	50.0	14.2	5.0	5.3	8.6	4.8	19.9	11.0	31.9	5.4
1881 . . .	13.3	53.6	124.6	133.4	49.0	42.8	21.0	19.4	13.0	11.2	16.7	34.9	46.6	15.4
1882 . . .	37.2	85.2	191.2	82.1	45.5	54.9	8.7	5.9	6.0	25.7	31.5	24.5	45.9	9.2
1883 . . .	21.2	43.0	161.4	126.3	40.0	21.6	7.7	19.1	10.4	5.9	19.5	9.7	34.1	7.9
1884 . . .	34.9	72.5	143.1	111.8	53.0	20.9	10.9	9.8	8.9	6.0	11.4	31.9	50.5	9.3
1885 . . .	46.8	56.4	262.1	86.9	68.4	25.7	7.8	6.0	14.7	11.8	33.3	77.0	43.4	8.9
1886 . . .	40.9	123.2	101.7	151.1	42.9	23.9	6.3	4.1	7.0	8.0	25.0	36.6	49.5	6.2
1887 . . .	88.8	95.3	104.4	106.0	154.5	26.9	5.5	7.2	14.5	12.0	23.8	29.6	56.7	8.5
1888 . . .	45.3	88.3	95.9	188.3	50.5	28.7	14.9	10.9	23.2	71.4	65.9	100.6	62.2	30.4
1889 . . .	92.4	116.4	100.9	71.4	53.3	40.3	12.6	61.2	30.9	51.6	53.3	127.3	58.2	33.2
1890 . . .	88.4	70.3	84.0	122.3	46.8	48.3	7.8	6.1	13.2	38.6	174.7	33.5	50.9	23.1
1891 . . .	76.7	107.3	122.7	106.0	51.7	18.9	7.8	6.1	14.7	9.8	17.0	26.3	55.8	5.9
1892 . . .	57.0	50.1	85.9	181.1	40.2	26.8	9.0	11.3	13.0	19.2	20.7	76.9	39.3	11.8
1893 . . .	26.4	30.3	157.7	101.7	77.8	31.9	11.0	5.9	10.8	9.7	25.1	29.2	45.2	8.6
1894 . . .	30.2	40.8	278.2	82.9	35.4	62.6	8.8	18.4	9.8	12.5	42.1	26.5	40.7	12.0
1895 . . .	45.4	62.5	144.2	82.7	56.1	10.8	8.2	9.9	6.7	23.0	72.4	94.9	47.8	15.5
Totals .	1015.4	1651.6	2731.9	2380.2	1510.9	625.8	199.6	290.3	290.9	406.7	828.4	1275.8	1007.6	275.3
Averages,	48.4	78.6	130.1	113.3	71.9	29.8	9.5	13.8	13.8	19.4	39.4	60.8	48.0	13.1

TABLE XXIII.
Rainfall, in Inches, on Mystic Water-shed, 1878 to 1895.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1878.	5.67	5.74	3.93	5.73	0.67	2.62	3.52	7.51	3.19	4.95	5.69	4.845	54.065	19.17
1879.	1.82	2.73	3.52	4.65	1.86	3.98	2.39	5.48	1.60	0.77	2.76	3.74	35.30	10.24
1880.	2.62	4.23	2.49	2.18	2.02	1.49	7.23	3.64	1.42	2.70	1.90	2.50	34.42	14.99
1881.	5.82	3.63	6.09	1.54	2.98	6.84	2.60	0.67	2.17	2.16	3.52	3.29	41.91	7.60
1882.	5.545	4.68	2.49	2.11	4.58	2.09	2.34	1.066	8.35	1.94	1.745	2.23	39.165	13.695
1883.	2.67	3.065	2.22	2.47	3.585	1.635	2.785	0.87	1.465	5.45	1.98	2.995	31.22	10.60
1884.	4.745	6.085	4.255	3.18	2.95	4.635	3.72	4.855	0.70	2.70	2.005	4.56	44.39	11.975
1885.	4.83	3.40	1.175	3.445	3.945	4.41	2.04	5.90	1.425	5.52	0.31	2.10	44.50	14.885
1886.	6.315	7.175	3.94	2.10	2.945	1.54	3.71	3.24	2.965	2.85	4.065	4.825	45.660	12.755
1887.	5.245	4.47	5.00	4.605	1.69	2.095	6.585	4.965	1.50	3.04	3.05	3.575	46.42	16.090
1888.	4.05	3.28	5.185	2.84	5.095	2.20	2.23	6.23	8.56	4.955	6.83	5.27	56.745	21.975
1889.	5.505	1.86	2.285	3.61	4.64	3.315	8.455	3.92	4.705	3.59	5.65	2.86	50.395	20.67
1890.	2.725	3.38	6.68	2.405	6.30	3.38	2.265	3.64	3.70	8.84	1.385	4.67	49.37	18.445
1891.	6.245	5.075	6.07	3.15	2.46	4.43	3.18	3.88	2.16	4.735	2.605	3.41	47.40	13.955
1892.	4.515	3.015	4.005	0.815	5.585	4.15	2.575	4.82	2.005	1.835	4.645	1.15	39.115	11.235
1893.	2.26	7.50	2.55	3.37	6.26	2.19	2.04	5.41	2.01	4.10	2.25	4.35	44.20	13.56
1894.	3.93	3.31	1.09	3.48	5.18	0.72	3.45	2.52	2.52	5.58	3.49	3.97	39.24	14.07
1895.	3.535	0.655	3.00	4.185	3.150	3.630	4.345	5.435	2.040	10.195	6.260	2.300	48.73	22.015
Totals.	78.045	73.280	66.475	56.865	65.895	55.860	65.460	74.050	52.505	75.910	66.160	62.640	792.145	267.925
Averages	4.336	4.071	3.693	3.104	3.661	3.103	3.637	4.114	2.917	4.217	3.676	3.480	44.008	14.885

TABLE XXIV.

Rainfall collected, in Inches, on Mystic Water-shed, 1878 to 1895.

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	4 months, July-Oct.
1878	3.55	3.97	4.91	2.21	2.16	0.78	0.48	1.11	0.56	0.71	1.75	3.63	25.82	2.86
1879	1.21	2.33	3.31	3.97	1.95	0.97	0.54	0.70	0.48	0.34	0.45	0.69	16.94	2.06
1880	1.70	2.54	1.95	1.50	0.96	0.51	0.67	0.54	0.45	0.36	0.44	0.59	12.21	2.02
1881	0.82	2.14	6.79	2.17	1.51	2.05	0.87	0.35	0.31	0.29	0.50	0.87	18.67	1.82
1882	1.37	3.03	4.19	1.16	1.85	0.81	0.35	0.22	0.53	0.58	0.39	0.57	15.05	1.68
1883	0.70	1.43	1.85	1.63	1.20	0.52	0.30	0.22	0.18	0.39	0.42	0.44	9.31	1.09
1884	1.49	3.89	5.42	3.85	1.48	0.85	0.58	0.60	0.23	0.27	0.36	1.17	20.18	1.68
1885	1.79	1.81	2.05	2.03	2.18	0.86	0.47	0.54	0.34	0.68	2.41	2.39	17.55	2.03
1886	2.31	7.70	3.91	3.24	1.27	0.55	0.41	0.25	0.32	0.38	0.88	1.43	22.65	1.36
1887	3.16	3.61	3.60	3.75	1.89	1.27	0.87	1.35	0.48	0.57	0.71	0.91	22.17	3.27
1888	1.43	3.32	4.28	3.27	2.88	0.84	0.39	0.54	1.31	2.74	5.04	5.08	31.12	4.98
1889	4.51	1.83	1.60	2.27	2.18	1.89	1.33	2.05	1.06	1.21	2.49	3.06	25.48	5.65
1890	2.07	2.23	5.37	2.93	3.00	1.92	0.43	0.46	0.58	2.61	1.95	2.49	26.04	4.08
1891	6.29	6.97	7.21	3.43	1.40	1.01	0.42	0.44	0.42	0.58	0.56	0.87	28.60	1.86
1892	2.49	1.76	3.03	1.33	2.10	1.17	0.66	0.49	0.56	0.45	1.07	0.87	15.98	2.16
1893	0.75	2.14	4.52	2.72	4.42	1.04	0.47	0.69	0.41	0.55	0.71	1.27	19.69	2.12
1894	1.37	1.87	3.05	2.27	1.31	0.91	0.49	0.38	0.36	0.58	0.91	0.90	14.40	1.81
1895	1.50	0.81	3.12	2.70	1.31	0.50	0.55	0.77	0.32	1.45	2.34	2.08	17.43	3.07
Totals	38.51	52.38	70.19	46.43	35.05	18.45	10.28	11.70	8.90	14.72	23.37	29.31	359.29	45.60
Averages	2.14	2.91	3.90	2.58	1.95	1.03	0.57	0.65	0.49	0.82	1.30	1.63	19.96	2.53

TABLE XXV.

Percentage of Waterfall collected at Mystic Water-shed, 1878 to 1895.

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly.	4 months, July-Oct.
1878	62.6	60.2	125.0	38.6	322.9	29.6	13.5	14.8	17.7	14.3	30.8	74.9	47.8	14.9
1879	66.6	85.4	93.9	85.3	104.9	24.5	22.0	12.9	20.7	44.2	16.2	18.6	48.0	20.1
1880	64.9	60.1	78.4	68.8	47.3	84.3	9.2	14.7	31.7	13.5	22.9	23.8	35.5	13.5
1881	14.2	58.9	101.5	141.1	50.7	29.9	33.3	51.9	14.1	13.6	14.3	26.3	44.5	23.9
1882	24.8	64.8	168.4	55.0	40.4	38.6	14.9	20.8	6.3	30.0	22.2	25.5	38.4	12.3
1883	26.1	46.7	84.8	65.9	33.5	31.8	10.8	25.7	12.1	7.2	21.1	14.7	29.8	10.3
1884	31.5	63.9	127.3	121.2	50.2	18.3	15.5	12.4	33.5	9.9	17.4	25.6	45.5	14.0
1885	37.1	53.3	174.5	58.8	55.3	19.6	22.8	9.2	23.7	12.2	38.2	113.6	39.4	13.6
1886	36.6	107.3	101.9	154.3	43.0	35.5	11.1	7.8	10.7	13.4	21.7	29.7	49.7	10.7
1887	60.2	80.8	72.0	81.8	112.0	47.3	13.2	27.1	32.0	18.7	23.4	25.6	47.8	20.3
1888	35.2	101.3	82.5	115.2	56.8	38.1	17.5	8.8	15.3	55.3	73.6	96.4	54.8	22.7
1889	81.8	98.2	70.2	63.0	46.9	57.0	15.8	52.2	22.5	33.7	44.1	107.0	50.6	27.3
1890	75.6	66.0	90.4	121.8	47.6	56.9	19.0	12.7	15.6	29.5	141.2	53.5	52.8	22.1
1891	100.7	117.3	118.7	109.0	57.0	22.8	13.3	11.3	19.3	12.1	21.7	25.6	60.3	13.3
1892	55.0	58.5	75.7	163.6	37.5	28.3	25.7	10.2	27.7	24.3	23.1	75.2	40.9	19.2
1893	33.3	28.6	177.3	80.7	70.6	49.5	23.2	12.6	20.5	13.4	81.5	29.1	44.5	15.6
1894	34.8	56.5	280.1	65.4	25.3	125.8	14.2	15.1	14.3	10.5	26.0	22.7	36.7	12.9
1895	42.4	123.4	103.9	64.7	41.5	13.7	12.8	14.1	15.7	14.0	37.3	90.7	35.8	13.9
Totals . .	833.4	1340.5	2116.5	1653.7	1243.2	701.5	308.4	334.2	362.4	369.8	626.7	878.5	802.8	300.6
Averages .	49.1	74.5	117.6	91.9	69.1	39.0	17.1	18.6	20.1	20.5	34.8	48.8	44.6	16.7

TABLE XXVI.

Yield of Sudbury-river Water-shed, 1875-1895. Area of water-shed used, includes water surfaces.

YEAR.	Daily Average Yield for Year.		Yield per Square Mile per Day.		Rain-fall, July-Oct.		Daily Average Yield, July-Oct.		Yield per Square Mile per Day.		Minimum Monthly Yield.				Minimum Yield in any Week.			
	Rain-fall.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Gallons.	Gallons.	Gallons.	Gallons.	Month.	Inches.	Gallons.	Yield per Square Mile per Day.	Week.	Gallons.	Gallons.	Yield per Square Mile per Day.
1875	45.490	75,599,200	972,200	17,380	17.380	30,650,400	394,100	January . . .	2.420	8,000,000	102,900							
1876	49.563	88,278,400	1,135,200	17.709	19,603,300	252,100	July	9.134	14,229,000	183,000						4,000,000		51,400
1877	44.018	94,369,200	1,213,500	15.471	19,832,100	255,000	September . .	0.323	4,633,300	59,600						1,800,000		23,100
1878	57.931	112,882,200	1,451,600	17.616	25,001,600	321,500	July	2.971	9,983,900	128,400						5,300,000		68,200
1879	41.419	69,942,200	894,000	13.129	14,974,000	191,400	October . . .	0.809	5,532,300	70,700								
1880	38.177	45,250,300	578,400	15.624	9,356,100	119,600	September . .	1.603	6,280,000	80,300								
1881	44.169	73,633,900	979,200	9.280	15,178,900	201,800	August	1.358	11,125,500	148,100								
1882	30.394	64,812,300	901,900	14.251	13,977,200	185,900	August	1.667	4,153,100	55,300					Aug. 20-26	2,604,000		34,600
1883	32.780	40,056,200	532,700	10.535	8,870,700	118,000	August	0.735	5,906,500	78,500								
1884	47.156	84,929,200	1,128,400	11.650	11,487,000	152,800	September . .	0.855	3,303,300	43,900					Sept. 14-20	51,300		700
1885	43.545	67,721,600	900,600	15.130	14,315,000	190,300	July	1.425	4,667,700	62,100								
1886	46.065	81,730,700	1,086,800	13.505	8,891,900	118,200	August	4.100	7,077,400	94,100								
1887	42.705	86,749,300	1,153,600	13.195	11,874,800	157,900	September . .	1.320	3,346,700	111,000					Sept. 18-24	6,162,900		82,000
1888	57.465	127,642,900	1,697,400	21.205	68,478,000	910,600	July	1.405	8,825,800	117,400								

1899	49,950	104,030,100	1,383,400	21,975	77,563,400	1,031,400	July	8,940	47,645,200	633,600	July 13-19	3,446,800	45,800
1900	53,000	96,650,400	1,285,200	22,835	55,975,600	744,400	July	2,460	8,064,500	107,200			
1901	49,620	98,865,500	1,314,700	14,330	13,608,900	181,000	July	3,395	11,212,900	149,100			
1902	41,820	58,753,000	781,300	12,690	15,957,700	212,200	October . . .	1,170	9,461,300	125,800			
1903	48,225	77,963,300	1,036,700	13,785	12,602,400	167,600	September . .	1,735	8,126,700	108,100			
1904	30,740	57,937,800	770,400	13,265	16,856,900	224,200	September . .	2,635	11,243,300	149,500			
1905	50,620	86,632,000	1,152,000	22,170	36,477,200	455,100	September . .	2,300	6,673,300	88,700			
Averages .	45,845	80,687,200	1,073,000	15,559	23,882,400	317,600							

SUMMARY OF STATISTICS.

REPORT FOR 1895.

Boston Water Works, Suffolk County, Massachusetts, supplies also the cities of Somerville, Chelsea, and Everett.

Population by census of 1895 :

Boston	496,920
Chelsea	31,264
Somerville	52,200
Everett	18,573
Total	598,957

Date of construction :

Cochituate Works	1848
Mystic	1864

By whom owned. — City of Boston.

Sources of supply. — Lake Cochituate, Sudbury river, and Mystic lake.

Mode of supply. — Sixty-five per cent. from gravity works.
 Thirty-five “ “ pumping “

PUMPING.

	COCHITUATE.	MYSTIC.
Builder of pumping machinery	Holly Mfg. Co. and Quintard Iron Works.	H. R. Worthington and G. F. Blake Mfg. Co.
Description of coal used :		
a Kind	Bituminous.	Bituminous.
c Size	Broken.	Broken.
e Price per gross ton, in bins	\$4.27, \$3.92½, \$3.90.	\$3.63, \$3.59, \$3.34.
f Per cent. of ash,	10.2	10.9

	COCHITUATE.	MYSTIC.
Coal consumed for year, in lbs. .	4,866,806	8,121,000
Total pumpage for year, in gallons	4,165,789,530	3,455,822,700
Gallons pumped per lb. of coal .	855.9	425.5
Cost of pumping figured on pumping-station expenses, viz. :	\$31,566.85	\$30,569.07
Cost per million gallons raised to reservoir	\$7.58	\$8.84

CONSUMPTION.

	COCHITUATE.	MYSTIC.
Estimated population . . .	487,000	113,700
Estimated number of consumers,	483,500	112,500
Total consumption, gallons . .	18,542,416,600	3,455,460,300
Passed through meters . . .	4,410,825,000	768,600,000
Percentage metered . . .	23.8	22.2
Average daily consumption, gal- lons	50,801,100	9,467,000
Gallons per day, each inhabi- tant	104.3	83.3
Gallons per day, each consumer,	105.0	84.1
Gallons per day to each tap . .	716.7	392.5

DISTRIBUTION.

Mains.

	COCHITUATE.	MYSTIC.
Kind of pipe used	Cast-Iron.	Cast-Iron, Wrought- Iron, and Cement.
Sizes	48 in. to 4 in.	30 in. to 3 in.
Extended, miles	23.1	4.9
Total now in use	595.9	178.6
Distribution-pipes less than 4 in., length, miles	2.2	4.3
Hydrants added	242	97
Hydrants now in use	6,459	1,543
Stop-gates added	289	147
Stop-gates now in use	6,648	2,285

Services.

	Lead.	Lead and Wrought-Iron.
Kind of pipe used	Lead.	Lead and Wrought-Iron.
Sizes	$\frac{5}{8}$ in. to 6 in.	$\frac{1}{2}$ in. to 4 in.
Extended, feet	53,192	20,524
Service-taps added	2,323	863
Total now in use	70,879	24,120
Meters added	61	10
Meters now in use	4,398	504
Motors and elevators in use . .	512	21

C.

IMPROVED SEWERAGE.

The work of extending the Improved Sewerage System has been continued as fast as the limited appropriation would admit, and the following is a brief review of the work done during the past year :

The condition of the appropriation on February 1, 1896, was as follows :

Net appropriation	\$6,375,404 96
Total expenditures	6,341,262 08
	<hr/>
Unexpended balance February 1, 1896	\$34,142 88

The following is a report of the work done :

DORCHESTER INTERCEPTING SEWER.

During the past year the Dorchester intercepting sewer has been constructed to Central avenue, thus completing the extension of the Improved Sewerage System ordered by the City Government in 1889. The further extension of this sewer up the valley of the Neponset will be built by the State under the direction of the Metropolitan Sewerage Commission. The work during the year has been carried on entirely by day labor under the superintendence of H. J. White.

Section 9 was completed early in the year.

Section 11 was finished in September. This section extends from Washington street through Baker's court and through private land bordering on the Neponset river, to Central avenue, a distance of 1,393 feet. At the beginning of the section the size of the sewer is reduced from 3 feet \times 4 feet, egg-shaped, to 2 feet 4 inches \times 3 feet 6 inches, egg-shaped. At Washington street the grade of the invert is about 8 feet above Boston city base. A rise of 3.8 feet in 40 feet is here made in the grade, after which the inclination is 1 in 313 for 900 feet, then 1 in 250 to Central avenue where the invert is about 17 feet above Boston city base.

The excavation in this section was largely in rock, and the construction presented some difficulty owing to the proximity of Baker's Mill pond, the centre line of the sewer

being within a few feet of the pond, while its invert was from four to six feet below the water level of the pond. A careful use of explosives prevented any considerable loss of water. As a precaution against future leakage from the pond two substantial bulkheads of brick were built encircling the sewer, cutting off the underdrains and extending entirely across the trench up to the surface of the ground. A flushing manhole, with a suitable gate, was built at the foot of Baker's court, and an inlet manhole was constructed nine hundred feet above it: the latter is connected with Baker's Mill pond by a 12-inch pipe fitted with a Chapman valve; the facilities for flushing are excellent. The contract for furnishing bricks for this section was awarded to Parry Bros. & Co., the lowest bidders, for \$9.90 per M.; it was satisfactorily completed.

By the construction of the Dorchester intercepting sewer an outlet to Moon island is provided for that portion of the sewage of Dorchester which would otherwise pollute the Neponset river below Central avenue; the drainage of a large part of the town of Milton can be cared for in this way if desired.

NEPONSET INTERCEPTING SEWER.

On September 25, 1895, the following order of the Board of Aldermen was approved:

"Whereas, It is here adjudged to be necessary for the public convenience and the public health of the city of Boston to continue and extend the improved sewerage system of the city of Boston, as shown on the plan hereinafter mentioned, it is therefore

"*Ordered*, That intercepting sewers, in continuance and extension of the Improved Sewerage System of the city of Boston, be laid and constructed in the streets and places substantially as shown and indicated by dotted red lines on a plan dated January, 1895, and marked "City of Boston, Engineering Department, Plan of a Part of Dorchester, showing Route of Proposed Neponset Intercepting Sewer, William Jackson, City Engineer," and that the City Engineer be and hereby is directed to lay and construct the same, and that the expenses thereof be charged to the appropriation for Improved Sewerage."

In December last the work authorized by the above order was begun and 420 feet of 18-inch pipe, reinforced by concrete, have been laid in Chickatawbut street and Neponset avenue; the average cutting for this distance was 22 feet. The proposed Neponset system consists entirely of pipe

sewers. The flow in the common sewers now discharging into the Neponset river at Neponset avenue and Eriesson street will be intercepted and carried back to the Dorchester intercepting sewer, with which connection is made in Chickatawbut street at Narragansett. The grades established are necessarily flat, but an ample supply of salt water is available for flushing. The present sewer outlets will be utilized as storm overflows, and suitable tide-gates will be provided.

The necessity for additional overflows from the Dorchester intercepting sewer, to operate in periods of heavy rain when the sewage is very much diluted, is apparent, and their necessity will be further emphasized when the Neponset system is constructed and the main sewer is extended up the valleys of the Neponset and Mother brook to West Roxbury.

During the month of September work on improved sewerage construction was suspended and the force of men assisted in laying the 42-inch high-service main for the Water Department. In October and November they were employed at Highland park.

D.

[FROM THE CITY ENGINEER'S REPORT TO THE BOARD OF
PARK COMMISSIONERS.]

COMMONWEALTH AVENUE.

The construction of the driveways from Arlington street to Beacon street was completed so late in the season of 1894 that it was necessary to do considerable work in the spring to put them in proper condition.

A drain was built from near the Ericsson statue to the covered channel of Stony brook to take the surface water from that portion of the avenue between Massachusetts avenue and Charlesgate East, and the old catch-basins which were formerly drained by the leaching of the water through the ground were connected with this drain.

A cross-walk has been laid across the avenue at Kenmore street.

The plantations, where they abut on the cross-streets, have been graded so as to turn the water from them and the central path into the gutters, in order to prevent its flowing across the sidewalks.

In the summer the trees were badly infested with the *Orygia leucostigma*, or tussock moth, and a number of boys were employed for the purpose of destroying the cocoons and eggs of the first brood of the moths. The caterpillar hatched from the eggs laid the previous fall completes its work of destruction in June, and then spins its cocoon in crevices of the bark of trees or other sheltered spots; the moth emerges about the twenty-first of June, and lays its egg upon the surface of the cocoon; the eggs hatch in a few weeks, and a second brood of caterpillars attacks the foliage of the trees; these, in turn, go through the various stages of development and deposit their eggs in the same manner as before; these eggs do not hatch until the following spring. The eggs can be readily found and easily destroyed when the trees are free from foliage. The work which was done in July and August was much more difficult than it would have been if done in the winter, but it was very satisfactory, and very little damage was done by the second brood of caterpillars, and very few of the eggs can now be found. The trees will be thoroughly examined during the coming month, and all eggs found destroyed, so that there

will probably be little damage done by this insect during the next summer.

THE FENS.

The bridge over the Boston and Albany railroad on Charlesgate West having settled so as to interfere with traffic on the railroad, it was closed to travel in May; the bridge superstructure was raised 17 to 20 inches, and the abutments and adjoining retaining walls were built up to the new grade, the sidewalks and driveway on the approaches were brought up to grade and resurfaced, and the curbstones reset.

A portion of the drive and walks adjoining Fen bridge, which had settled so that they were not properly drained, were raised and resurfaced.

Stone seats and a curbing have been built around the foundation of the John Boyle O'Reilly statue on the triangular area at the junction of Boylston entrance with the Fenway. The foundation for the monument was built 1894.

RIVERWAY.

Drives, Rides, and Walks. — The only work under this head during the year has been the surfacing of that portion of Audubon road between Brookline avenue and the Boston and Albany railroad. This has been completed, with the exception of the boundary walk and a part of the walk near the administration building. Granite steps have been built, leading from the walk to the entrance to the building.

Wall. — Ninety-five lineal feet of retaining wall have been built between Longwood avenue and Park street on the line of the parkway, connecting two sections of wall previously built.

LEVERETT PARK.

Walks. — All of the walks except those on the hill north of Ward's pond have been finished.

Walls and Fences. — The walls on Perkins street were pointed in the spring, and an iron fence 261 feet in length was built on top of the wall on the easterly side of Chestnut street.

Miscellaneous. — A temporary boat-landing was built on Leverett pond. Repairs have been made to the pumping-station building and machinery, and a new drain built from the pump-well. A sewer has been built by the Street Department from Pond avenue through the park drive to Castleton street, and a branch is now being built from Castleton street to Perkins street.

The grounds prepared for planting in 1894 have been planted or seeded, but much remains to be done.

JAMAICA PARK.

Boating Service. — Three temporary boat-landings have been built; the permanent landing near Pond street was floored over with plank and a canvas-covered shelter built upon it. A wire was laid underground from Centre street to the boat-landing, for the purpose of supplying electric current to the electric launches, two of which were put into service in July. A large number of row-boats and canoes were also put into service at the same time.

Refectory. — The Perkins mansion, while in process of reconstruction for use as a refectory, was burned on March 5th. Nearly the whole of the interior and the roof were destroyed, but the walls were not materially injured. New plans were at once prepared by the architects, Messrs. Wheelwright and Haven, and the work is now nearing completion. A sewer is being built to connect the building with the sewer in Jamaica way at Perkins street.

Miscellaneous. — A short flight of steps has been built on the walk leading from the northerly end of the pond to Jamaica way.

Repairs have been made to the gate-house and to the conduit across Perkins street.

ARBORWAY.

No work has been done except at the crossing of the New York, New Haven and Hartford railroad, where the railroad company have begun the erection of the bridge which is to carry the railroad over the parkway and Morton street.

About 350 feet of water-pipe on the line of pipe leading from Jamaica pond to Franklin Park has been laid at the above crossing.

ARNOLD ARBORETUM.

The boundary wall on Centre and Walter streets has been finished, and the walls and posts for a gateway at the Forest Hills entrance have been built.

Plans are being prepared for a stone-crushing plant to be located on the reservation in the extension of the Arboretum, south of Bussey street.

WEST ROXBURY PARKWAY.

Considerable work was done on the topographical survey in the early part of the year, but it was discontinued on account of the press of other work. Work on the survey has, however, been recently resumed.

The exterior lines of the Parkway have all been marked on the ground by stone bounds.

FRANKLIN PARK.

Forest Hills Entrance. — The bridge, which was nearly finished a year ago, and described in the last report, has been entirely completed. The drains have all been built, and a portion of the drive surfaced. The ledge at the junction with Circuit drive has been removed.

Seaver Street. — The walks and slopes on the park side of the street have been finished, and trees have been planted on the northerly side of the street. The road from opposite Elm Hill avenue to the westerly end of the Greeting has been completed.

Refectory. — This building, begun in 1894, is not yet finished, but it is expected that it will be early in the spring. The wall supporting the terrace in front of the building was finished early in the year. The drive leading to the refectory from the Greeting is nearly sub-graded, and a wall is being built on the westerly side of it.

Water Supply. — Water-pipes have been laid from Forest Hills street to the reservoir on Hagborne hill. There yet remain about 4,000 feet of pipe to be laid on Arborway to complete the line from Jamaica pond to the reservoir.

The reservoir is completed and ready for use. It is entirely below the original surface of the ground, and was excavated chiefly in rock, the bottom resting entirely on rock. This would have made the cost of the reservoir excessively high, except for the fact that the excavation served as a quarry, from which material for road surfacing was obtained. Inasmuch as the level of the water in the reservoir could not well be kept at a constant height, and its appearance, if exposed, would be unsightly, it was thought best to have it covered.

The side walls are perpendicular, of American cement concrete, with a thickness nowhere less than one foot, the remaining space between the concrete and the ledge being filled with dry rubble.

Brick piers, 16 inches square and ten feet high, and 10 feet apart, were built for supporting the roof. On these piers arched ribs of brick masonry were built, running lengthwise of the reservoir, the rise of the arches being 1 foot, the span 9 feet 8 inches, the width 16 inches, and the thickness at the crown 8 inches; the spandrells were levelled up to the top of the arches. The ribs, together with the side walls, serve as supports for the cylindrical arches, of which there are seven, running lengthwise of the reservoir; these latter arches are of Portland cement concrete, with a rise of one foot in a span of 8 feet 8 inches, and are 8

inches in thickness. Manholes were built in each longitudinal arch.

The bottom of the reservoir is covered with a layer of American cement concrete 6 inches thick. The bottom and the side walls were covered with a layer of Portland cement mortar $\frac{1}{2}$ inch thick, and then the whole surface of the side walls, bottom, and piers were covered with two coats of pure cement wash.

The top of the reservoir is covered with loam with a least depth of $2\frac{1}{2}$ feet.

The 10-inch force main, which also serves as a supply main, branches in a manhole just outside the reservoir and near one corner; each branch is provided with a gate and check valve. The branch which supplies the reservoir enters about 6 inches above the bottom, and is carried diagonally across the reservoir nearly to the farther corner, where it ends in a globe-shaped casting with an opening on top; the pipe is supported on brick piers. The branch which serves for an outflow pipe passes under the bottom of the reservoir a short distance, and terminates with an opening at the level of the bottom; it is embedded in concrete.

At the northeasterly corner there is an outlet for draining the reservoir and an overflow pipe; this outlet is connected with the drainage system of the park, so that by its use water can be supplied to the ponds in the park.

The reservoir covers an area of 9,723 square feet, and has a capacity of 851,000 gallons, which is estimated to be a week's supply, in the driest time, for water-carts on the drive between the reservoir and Jamaica Park, and also for supplying the loss by evaporation from the ponds in Franklin Park.

Overlook Building. — Changes were made early in the year in the basement of this building in order to enlarge the women's lavatory about one-half.

Ellicottdale and Cottage. — The cottage was opened in June, with a matron in charge, and was kept open until November 14. There were a great many visitors, and the dressing and bath rooms were largely used by tennis players.

Tennis courts were laid out on the field, the department furnishing the poles and keeping the courts marked. The players provided their own nets, balls, and rackets, which they could check and leave in the cottage when not in use. The use of this ground is destined to be very popular. Its existence is not generally known, but it was no unusual sight during the past summer to see twenty courts occupied at one time.

Miscellaneous. — A temporary boat-landing was built at

Scarboro pond, and a boating-service was maintained here through the season.

A donkey service was established for Sundays, and was very much enjoyed by the children.

The number of sheep is now 221, there having been 82 sold in the fall.

FRANKLIN FIELD.

A wooden fence 767 feet in length has been built on the line between the park property and the cemetery on the easterly side.

The only other work done during the year has been the caring for the grass. The turf has improved in condition generally, although there has been some settlement, due to the withdrawal of the water from the soil by the underdrains. Cracks also appeared in the turf; these and the low places have been filled.

During the latter part of the season the new ground was used for baseball and football games.

In October the first military parade occurred on this ground. Battery A of the Massachusetts Volunteer Militia occupied a portion of the field on the occasion of its fall field-day.

The water was turned on to the field on December 9, and the first skating was on December 14.

DORCHESTER PARK.

No work has been done here during the year.

DORCHESTERWAY.

No work of construction has been done here during the year by the Park Department. The Street Department has built a sewer on the southerly side of the parkway, between Pond street and Dorchester avenue.

An arrangement was made with the Street Department by which that department kept the completed drive sprinkled during the season, the expense being charged to the Park Department.

STRANDWAY.

Considerable work has been done in making surveys and plans for the construction of that portion of this parkway east of O street, but owing to the delay in determining the method of construction at the sites to be occupied by the yacht clubs, nothing further has been done.

MARINE PARK.

Filling. — The work to be done under the contract with William L. Miller, dated July 27, 1894, was finished November 21. The total amount of filling done under this contract was 217,581 cubic yards, at 47 cents per cubic yard.

Iron Pier. — The settlement of the filling has broken some of the columns at the shore end of the pier, so that it will be necessary to put new foundations under them. As but slight injury has been done to the superstructure, and the movement of the columns has nearly ceased, it will be well to delay the repairs until the movement has entirely stopped.

Frequent measurements are being taken, and the structure is being carefully watched to see if any further damage occurs.

Head House. — The building itself has been completed and turned over to the Department. Several minor contracts for laundry machinery, electrical machinery, and lighting fixtures are yet unfinished.

Miscellaneous. — After the new building is occupied, there will be no further use for the old refectory building, and it should be removed and the grounds in its vicinity graded and planted.

In June a floating theatre was allowed to be located alongside the Castle island bridge. It was maintained by a private company, and, having proved a financial failure, was removed on July 18.

Range lights have been erected on the wooden pier by the United States Lighthouse Department, and an underground wire laid to them.

A channel has been dredged from the west wharf at Castle island to deep water, for the benefit of the boating-service.

The watering of the driveway was done throughout the season by the Street Department, at the expense of the Park Department.

PUBLIC PARK, NORTH END.

Surveys and plans have been made for the construction of a portion of this park. A contract was made on November 4 with Trumbull and Ryan for grading and building walls and drains on that portion of the park north of Commercial street for the sum of \$41,752. This work is now in progress.

WOOD ISLAND PARK.

The iron fence around the gymnasium ground, and the iron frames for supporting the gymnastic apparatus, were

completed late in the summer. The cost of this work was \$2,923.25.

The gymnastic apparatus was furnished and erected by the Narragansett Machine Company, of Providence, R.I., at a cost of \$1,401.78. It consists of the following pieces :

10 Sets of chest weights.	2 Pairs upright poles, fixed 18 and 16 inches apart.
10 Sets of breast bars.	8 Climbing poles, swinging.
4 Vault bars.	8 Climbing ropes.
4 Horizontal bars, fixed up- rights.	3 Sets long inclined bars.
4 Sets flying rings.	2 Sets high parallel bars.
18 Travelling rings.	1 Circular parallel.
2 Single trapezes.	2 Giant strides.
1 Triple trapeze.	24 Iron quoits.
2 Stand swings.	3 16-lb. iron shots.
1 Wide ladder.	2 56-lb. weights.
1 Inclined ladder.	2 Sets jumping standards.
2 Cross ladders.	4 Vault poles.
6 Tilting ladders.	2 Double wire slides.
2 Single upright poles.	

Considerable grading was required in the gymnasium ground, and a cinder track 20 feet wide and one-fourth of a mile long was built around the grounds. A shed for chest weights, with lockers for small articles, and fences around the places for shot throwing and the cable slides have also been built.

The gymnasium was opened on September 6. The attendance until the close of the season was 43,356. The apparatus was dismantled on January 4, and preparations made for skating, of which an account will be found under the general head of Skating.

An area of the playground was covered with loam and sodded for use as a cricket ground.

The gymnasium ground is very wet after a heavy rain, and should be underdrained during the coming spring.

CHARLESTOWN HEIGHTS.

The building has been provided with fixtures for lighting. It was opened on June 17, and closed for the winter on November 14. A matron was in charge.

During August, a class in kindergarten work was conducted under the direction of the Massachusetts Emergency and Hygiene Association.

CHARLESTOWN PLAYGROUND.

No work has been done here during the year except to care for the filling done by the city teams and others.

The area now filled approximately to grade is 7.3 acres.

CHARLESBANK.

Men's Gymnasium. — The new building was occupied on September 30. It is $2\frac{1}{2}$ stories. On the ground floor there is a large toilet-room for the public, a room for the use of the person in charge of the boating-service, a foreman's room, a workmen's room, and a room for the heater. On the second floor is an office for the superintendent of the gymnasium, a large locker and dressing-room, containing 196 lockers, a toilet-room, and a bath-room provided with 6 shower-baths and other fixtures.

The attic room is used as a store and work room. The building is lighted by electricity and is heated by hot water; both hot and cold water are supplied to the toilet and bath rooms. The entrance to the gymnasium is through this building, and by a bridge from the second floor across the running-track. Turn-stiles with a registering attachment are placed at the entrance so that a record of the attendance can be kept.

The gymnasium grounds were used for skating during February, but were closed during March and April. They were opened May 1, and kept open until January 3, when the apparatus was dismantled and the grounds flooded for skating. During the season the gymnasium was open on 197 days, the total estimated attendance being about 200,000.

During the year there were four accidents: three of these were while the gymnasium was in use, and were slight; the fourth was during the skating season, a little girl having been quite severely injured while attempting to climb over the fence.

Women's Gymnasium. — The enlargement of the building was completed early in the season, and it was opened on May 15.

The building has been doubled in size, and now contains on the first floor a general waiting-room, an office for the superintendent, a large dressing and locker room, containing 124 lockers, toilet and bath-rooms, heater-room, foreman's and workmen's rooms, and a store-shed. On the second floor there is a toilet-room for women, and a hall which is used for gymnastic exercises on stormy days. A full account of the work of the gymnasium during the year

will be found in the report of the Massachusetts Emergency and Hygiene Association, which has charge of the work.

Miscellaneous. — A drain was built in the spring, connecting the women's building with the sewer in Charles street, the drainage having been previously discharged into the river.

The grounds and walks are in good condition.

The sea-wall needs pointing badly, and it should be done early in the next season.

SKATING.

As during the past year the first attempt has been made on a large scale to maintain ice in a condition for skating, an account of the work done and the results obtained may, perhaps, be of interest.

Heretofore, the appropriation for maintenance has been so small that very little could be done, and that only on the smaller grounds of Charlesbank and Wood Island Park.

Preparations were made to keep the ice in good condition on the larger areas of Jamaica Pond and Franklin Field. During the skating season, a year ago, visits were made to Roger Williams Park, in Providence, R.I., Central Park, New York, and Prospect Park, Brooklyn, N.Y., and through the kindness of the superintendents of those parks much valuable information was obtained. We are also indebted to the Superintendent of South Park, Chicago, and the Superintendent of Parks of Minneapolis for their assistance.

The work which we have done during the year was largely experimental, and therefore more expensive than is likely to be the case in the future to secure the same results.

The only natural water surface or pond where the ice has been cared for is Jamaica pond, which has an area of 65 acres. This pond does not freeze over until quite late, so that the skating season is shorter here than at other grounds. If the ice forms to a considerable thickness before it becomes covered with snow, the work is much simpler than it is when, as was the case this year, there is a heavy snowfall while the ice is too thin to support horses; the snow prevents the ice from forming, and the only resource is to make holes at frequent intervals; the weight of the snow forces the water up through the ice: the snow soon becomes saturated, and when frozen it is usually strong enough to support horses, but it is too rough for skating, chiefly on account of the tracks made by the men when making the holes. It is therefore necessary to plane the ice. For this purpose a special ice-plane was purchased. It consists of a square frame or sled, the runners of which are adjustable in height with reference to

the knife; the latter is fixed to the frame at right angles to the line of travel; at the back there is a pair of handles by which a man can guide the plane, and there is also a seat for the driver. The plane cuts a width of 52 inches, and can be easily hauled by two horses; with it from $2\frac{1}{2}$ to 3 acres can be planed in a working day. It leaves the ice with a very smooth surface.

For removing the chips left by the planer, a scraper has been used, of the same pattern as is used in Central Park, New York. It consists of two vertical sides of boards, 8 feet in length and 18 inches high, joined together at one end at an angle of 60 degrees, the point being boarded over to form a seat for the driver. The open end has a strong brace, placed about midway of the height, and securely bolted to the sides, to the ends of which the draught rope is attached. The inside faces of the sides have strips of thin iron or steel fastened to them at the bottom; a handle is attached at the point for lifting it. This scraper is used with one horse, and is dragged over the ice with the open side in front. When a load is obtained, it is dragged to the bank, where the driver lifts the back corner, thus clearing the snow, turns the scraper on the front corners, and starts for another load. This scraper clears the ice in a very satisfactory manner. It can be used for clearing of light snow, a depth of 8 inches having been cleared successfully. The scoop scraper used by ice companies is very useful for piling the snow on to the banks, and thus preventing the settlement of the ice along the shore.

Where the number of skaters is large, the ice becomes worn in a short time, so that it is necessary to clean it. For this purpose, we have used one-horse street-sweeping machines loaned to us by the Street Department. The rims of the wheels were wound with wire to prevent slipping. The machines swept the material on the ice into windrows, and then the triangular scrapers hauled it to the shore. This operation could be repeated for several days in succession; after a time, however, the ice would become worn so unevenly that it would be necessary to plane it again. If a crust forms on the surface of the snow, the triangular scraper cannot be used until the crust is broken; to do this, the scoop-scraper can be run through the snow to break it up. About 7 acres can be swept by one machine in a working day.

About 20 acres have been kept in good condition during the past month by the above means.

At Franklin Field there is an area of over 40 acres of level meadow, which is kept dry in summer, but which can be flooded in winter by closing a gate at the outlet of the under-

drains, and turning the flow of the brooks on to the field. Ice can be formed here much earlier than on a pond. As soon as the ground freezes, the water is turned on to it; the water freezes to the ground, and the latter can then be flooded. This cannot be done on a pond, as the ice, being of less specific gravity than the water, always floats at the top. The same method of caring for the ice is pursued here as at Jamaica pond, but it can be done more economically, as there are no steep banks, and the snow can be scraped clear of the ice on to the surrounding ground; as there is no danger of the ice settling, piles of snow can be made at any point on the field. When the ice becomes rough it can be planed, or, if the weather will permit of it, it can be flooded and a new surface formed.

At Charlesbank and Wood Island Park, the conditions are similar to those at Franklin Field, except that there is no natural water supply, and resort must be had to hydrants. This can be done here, as the areas are small and the cost of the water is, therefore, not great. The most successful method of restoring the worn-out surface at these parks has been by spraying with the hose when the temperature is below freezing. By this means a good body of hard ice can be built up.

The attendance has been very large at all of the skating grounds. At Jamaica Park and Franklin Field there is great need of buildings for the accommodation of the large number of people who frequent these parks.

The following table gives some statistics showing the great interest felt by the people in the skating and the slight cost per person at which the amusement has been furnished:

	Jamaica Pond.	Franklin Field.	Charlesbank.	Wood Island Park.
No. of days' skating,	19	31	43	43
Total estimated at- tendance . . .	90,000	123,000	99,000	114,000
Area cleared and kept in condition for skating . . .	20 acres	20 acres	1 acre	6 acres
Total cost . . .	\$1,588 92	\$864 18	\$610 00	\$675 24
Cost per acre . . .	79 45	43 22	610 00	112 54
Cost per person .	01 $\frac{3}{4}$	00 $\frac{7}{10}$	00 $\frac{6}{10}$	00 $\frac{6}{10}$

The appended table shows the principal items of completed work to date.

E.**[FROM THE CITY ENGINEER'S REPORT TO THE STREET DEPARTMENT.]**

The following is a report of the work done under my direction for the Street Department during the year 1895 :

The work done is similar to that heretofore, with the addition of a large amount of work upon the five main avenues, the construction of which was authorized by the Legislature of 1895, Chapters 268 and 334, referring back to Chapter 323 of the Acts of 1891 ; namely, Blue Hill avenue, Columbus-avenue extension, Huntington avenue, Commonwealth-avenue extension, and Brighton avenue. These acts require the construction of sewers, gas and water pipes in each avenue, with house connections for all abutting lots. The construction of these, together with other miscellaneous structures, such as water-main pipes, underground wires, and surface drains, intended to forestall the necessity for breaking up the surface of the finished street, require a large amount of labor to be performed before the surfacing of the street can be commenced.

In these avenues, a very large amount of this preliminary work has been done. Early in the year estimates were made of the cost of construction of these avenues, exclusive of sewers and land damages, upon a definite plan, and such rough grading as could be done in advance of sewer construction was commenced ; then as fast as the sewer construction was completed contracts were made for grading. The work of grading has been in progress during the winter, and with a single exception all the rough grading contemplated at present is under contract and should be completed by June 1, 1896. The exception referred to consists of about 20,000 cubic yards of surplus material on Blue Hill avenue opposite Franklin park. A part of this material can be used to supply a deficiency on Columbus avenue, and it is probable that the remainder can be used for contemplated improvements in the near vicinity.

BLUE HILL AVENUE.

The portion of the avenue laid out under the act commences at Washington street or Grove Hall, and follows the

course of the old Blue Hill avenue to the Neponset river at Mattapan, a distance of 2.86 miles, nearly in a straight line. The part between Washington and Walk Hill streets, a distance of 2.21 miles, has been ordered to be constructed. The part under construction borders on Franklin Park for a distance of 2,670 feet, and Franklin Field a distance of 1,340 feet. It is 120 feet wide throughout, and will be built for the greater part of its length with two roadways, each 32.5 feet wide, a central reservation 25 feet wide for street-cars, and two sidewalks, each 15 feet wide. The sidewalk will have a loamed space 5 feet in width next the roadway, and the central reservation will be loamed and grassed.

In front of Franklin Park this construction will be varied and provision made for easy access to the park. The roadways are to be built of Telford macadam, with paved gutters, but with edgestone from Washington street to the circle at Talbot avenue only. Ten contracts for rough grading have been made, seven of which are not completed at this date. One of these contracts includes the road construction opposite the main entrance to Franklin Park, and calls for completion of this section by August 1, 1896.

Provision has been made for saving all stone suitable for use in constructing roadways, but a large part of the rock excavated is of such inferior quality as to be only suitable for filling. The estimated quantities of grading to be done under these contracts, and the corresponding cost of doing the work, is as follows :

Earth excavation	.	.	100,796.77 cubic yards.
Rock excavation	.	.	28,600 cubic yards.

The average prices to be paid are as follows :

Earth excavation	.	.	\$0.356 per cubic yard.
Rock excavation	.	.	1.023 per cubic yard.

The total amount paid to contractors for work done to February 1, 1896, is \$18,663.35.

COLUMBUS AVENUE EXTENSION.

This avenue extends from Northampton street to Franklin Park, by the way of Roxbury Crossing, along Pyncheon to Centre street, then through vacant land to and across Washington street and by way of Seaver street to Franklin Park, — a total distance of 2.21 miles. It is generally 80 feet wide, and is to be built without a special reservation for a street railway. The section between Roxbury Crossing and Hog

bridge is about 3,105 feet in length and includes the present and prospective site of Stony brook; the improvement of the brook will necessarily precede the construction of the road, and, with the exception of the removal of the buildings, filling cellars, etc., no work has been or can be done at present. It is intended to pave this section with granite blocks. From Roxbury Crossing to the old part of the avenue, the roadway will be of asphalt. From Centre street to the park the roadway will be of Telford macadam. The only work done by this department has been the rough grading between Washington and Centre streets. A considerable part of the avenue will be in readiness for road-making on the opening of the working season, and with the exception of the Pynchon-street section, the work will be practically finished during 1896.

HUNTINGTON AVENUE.

This avenue extends from Copley square, along the line of the old avenue to Tremont street, and thence follows the former location of Tremont street to the Brookline line, at the Parkway, a distance of 2.25 miles. From Copley square to Massachusetts avenue, a distance of 3,240 feet, the boundary lines are unchanged, but the avenue will be rebuilt with a reserved space of 25 feet wide for street cars, two roadways, paved with granite blocks, each 25 feet wide, and two sidewalks, paved with bricks, each $12\frac{1}{2}$ feet wide. From Massachusetts avenue to Tremont street, a distance of 1.15 miles, the avenue is widened to 100 feet, laid out in the same manner and built with Telford macadam roadways and gravel sidewalks. The part of Tremont street renamed Huntington avenue, 2,563 feet in length, has been widened to a general width of 80 feet. In this section there will be no reservation for street cars. Roadways will be built of Telford macadam, and the sidewalks, which will be 13 feet wide, will be built of gravel. The preliminary underground work is well advanced on this avenue, and it is expected that the surfacing can be begun early in the season. The work done by this department was the resetting of the edgestones and the regulating of the sidewalks on the northerly side, between Copley square and Massachusetts avenue, and the depositing of about 10,000 cubic yards of filling between Gainsborough street and Longwood avenue. This will not complete the filling between these points, and the balance of about 15,000 cubic yards will be supplied from the surplus on the remaining parts of the avenue. The gravel filling referred to is being furnished for $\$0.79\frac{3}{4}$ per cubic yard, and the work will be completed in February, 1896.

BRIGHTON AVENUE.

This avenue extends from Commonwealth avenue to Union square, Allston, a length of 0.67 mile. It is 100 feet wide, and will be built with a central reservation 25 feet in width for a street railway, two roadways, the northerly one 30 feet wide and the southerly one 25 feet wide, and two sidewalks each 10 feet wide. The roadways are to be built of Telford macadam.

Preliminary underground work is well advanced and the surfacing is under contract, conditioned to be completed on September 1, 1896. Amount paid to contractors for grading, to February 1, 1896, is \$2,467.63.

COMMONWEALTH AVENUE EXTENSION.

Commonwealth avenue has been extended from Chestnut Hill avenue, Brighton, to the Newton line, there connecting with the Newton boulevard; the extension is 0.71 mile in length and 120 feet in width. It is to be built with a central reservation 25 feet in width for a street railway, two roadways, the northerly one 25 feet wide and the southerly one 40 feet wide, and the two sidewalks each 15 feet wide. The roadways are to be built of Telford macadam. Four contracts for rough grading have been let, one of which is still unfinished. A large quantity of excellent stone for road construction has been found, and there will be a considerable surplus of stone and of loam available for other avenues. Trap rock of excellent quality is now being delivered at the city stone-crusher near by, and is being crushed and piled for future use. Eleven thousand one hundred and fifty cubic yards of surplus filling has been delivered on the adjoining section of Commonwealth avenue. The rough grading, including rock excavation, will be completed early in the season, and it is expected that the underground work can be completed in time to allow of the entire completion of the avenue during 1896. The total amount of earth excavation is estimated at 35,732 cubic yards, and of rock excavation at 9,200 cubic yards. Earth excavated and delivered within three-quarters of a mile has cost an average of \$0.284 per cubic yard; earth delivered on the adjoining section of Commonwealth avenue, hauled about one mile, has cost \$0.228 extra per cubic yard for hauling. Rock excavation, including breaking, hauling, and piling, has cost an average of \$1.30 per cubic yard measured in the cut. The total sum paid to the contractors for grading, to February 1, 1896, is \$14,070.79.

The table showing lengths and areas of paving on accepted streets has been carefully revised and compared with the list of streets in Boston, published by the Street Commissioners. As has been before stated, there is and can be no complete and authoritative list of public streets in Boston. The older streets have become public in many instances without record, and frequently the status of streets and alleyways has been questioned in the interest of abutters. The manuscript list in this office, and from which the table has been made, is as nearly complete as it can be made at this date. In this connection it should be stated that 3,600 square yards of asphalt pavement, commenced (the concrete base only being laid) in 1894 and completed in 1895, have been credited to 1894 in the tables.

Block-stone pavement has been laid with concrete 6 inches thick with a cushion coat of sand about $1\frac{1}{2}$ inches thick. The material used for filling joints, adopted by the Street Department, was pebbles and Portland cement grout. The cement grout has been mixed with sand in varying quantities for experimental purposes. The proportion of one part cement to one-fourth part of fine house sand was found to give the best results, and was adopted for most of the work done. The quantity of cement used varied greatly on different jobs, the average of all works done being 9.94 square yards of pavement per cask of cement, at a cost for cement of \$0.231 per square yard. The cost of filling joints in this manner has been about \$0.20 less than the sum paid in 1894 for pitch and pebble joints.

Street-paving, on old and new streets, has been supervised in all cases where requested, and the following quantities have been laid under contracts supervised by this department :

Block-stone pavement, on a concrete base, laid with Portland cement grout joints, 14,428 square yards, at an average cost of about \$4.25 per square yard.

Block-stone pavement, on a gravel base, laid with Portland cement grout joints, 11,405.6 square yards, at an average cost of about \$3.10 per square yard.

Block-stone pavement, on a gravel base, laid with gravel joints, 13,579 square yards, at an average cost of about \$2.75 per square yard.

Trinidad sheet asphalt, with a binder course of asphaltic cement concrete, on an American cement concrete base, 10,639.3 square yards, at an average cost of about \$3.65 per square yard.

Sicilian rock asphalt, on an American cement concrete

base, 7,293.7 square yards, at an average cost of about \$3.65 per square yard.

Edgestones set, 36,093 linear feet: brick sidewalks laid, 20,621.5 square yards; gravel sidewalks constructed, 1,835 square yards; flagging cross-walks laid, 2,217 square yards.

The following is a statement of the streets paved and constructed, for which plans were made and grades given, and the work supervised:

Ash Street. — From Oak to Nassau street was paved by H. Gore & Co. with Sicilian rock asphalt, with a base course of bituminous concrete on the existing cobble-stone pavement. Before putting down the base course, the old cobble-stone pavement was relaid by H. Gore & Co.

Barton Street. — From Leverett to Milton street was paved with Sicilian rock asphalt on an American cement concrete base. The old pavement was removed and the subgrading was done by the Paving Division. The concrete base and asphalt surface was laid by the Boston Asphalt Company. The edgestones were reset and the brick sidewalks relaid by H. Gore & Co. The pavement removed was old cobble-stones and granite blocks.

Billerica Street. — From Causeway to Minot street was paved with large granite blocks, on a gravel base, with Portland cement grout joints. The old pavement was removed and subgrading done by the Paving Division. The roadway was paved, brick sidewalks relaid, and edgestones reset by A. A. Libby & Co. The pavement removed was old cobble-stones.

Bond Street. — From Hanson to Milford street was paved with Trinidad asphalt, with asphaltic cement concrete binder on an American cement concrete base. The street was subgraded by the Paving Division. The concrete base and asphalt surface was laid by the Barber Asphalt Paving Company. The edgestones were reset and brick sidewalks relaid by T. H. & W. A. Payson. The former surface was macadam.

Brimmer Street. — From Beacon to Pinckney street was paved with Trinidad asphalt, with asphaltic cement concrete binder on an American cement concrete base. The subgrading was done by the Paving Division. The concrete base and asphaltic surface were laid by the Barber Asphalt Paving Company. Edgestones were reset, brick sidewalks and flagging cross-walks were relaid by T. H. & W. A. Payson. The former surface was macadam.

Chambers Street. — From Brighton to Charles street was paved with Trinidad asphalt, with asphaltic cement concrete

binder. That portion from Brighton street through Auburn street has an American cement concrete base; that portion from Auburn to Charles street was laid on old cobble-stone pavement. The concrete base and asphalt surface were laid by the Barber Asphalt Paving Company. Sub-grading was done by the Paving Division. Edgestones were reset, brick sidewalks and flagging cross-walks relaid by T. H. & W. A. Payson. The former pavement was old cobble-stones.

Charles Street (easterly side). — From Pinckney to Cambridge street, including the easterly track of the West End Street Railway, and also the four-foot space between the tracks, was paved with large granite blocks, with Portland cement grout joints, on an American cement concrete base. The old pavement was removed and sub-grading done by the Paving Division. Concrete base and block paving was laid, edgestones reset, and brick sidewalks relaid by H. Gore & Co. The former pavement was old granite blocks. The West End Street Railway, by agreement, paid for the work done in their tracks. Work in front of the Eye and Ear Infirmary, which has been postponed on account of unfavorable weather the previous season, was completed. The crushed stone, which was used to make the street passable temporarily, was taken off and about four inches of the concrete base was removed and replaced with four inches of Portland cement concrete, on which $2\frac{1}{2}$ inches of Sicilian rock asphalt was laid by H. Gore & Co.

Charter Street. — From Unity street to Jackson avenue was paved with large granite blocks, on a gravel base, with Portland cement grout joints. The old pavement was removed and the sub-grading done by the Paving Division. The roadway was paved, brick sidewalks relaid, and edgestones reset by C. L. Ward. The pavement removed was old cobble-stones.

Columbus Avenue. — From Park square to beyond Ferdinand street was paved with large granite blocks, on an American cement concrete base, with Portland cement grout joints. The old pavement was removed, the sub-grading done, the concrete base laid, the roadway paved, edgestones reset, and brick sidewalks relaid by H. Gore & Co. The West End Street Railway, by agreement, paid for the work done in their tracks. Two new catch-basins were built. The former pavement was old granite blocks.

Devonshire Street. — From Franklin to Milk street was paved with large granite blocks, on an American cement concrete base, with Portland cement grout joints. The old pavement was barred out and loaded, the sub-grading was done, concrete base laid, the roadway paved, and flagging

cross-walks laid by James Grant & Co. The Paving Division furnished teams for carting away surplus material. The former pavement was old granite blocks.

Edinboro' Street. — From Essex to Beach street was paved with Trinidad asphalt, with an American cement concrete base and asphaltic cement concrete binder, by the Barber Asphalt Paving Company. The sub-grading was done by the Paving Division. The edgestones were reset and brick sidewalks relaid by P. Brennan & Co. The former surface was macadam.

Fabin Street. — From Newland to Ivanhoe street was paved with Sicilian rock asphalt, with an American cement concrete base, by the Boston Asphalt Company. The sub-grading was done by the Paving Division. Edgestones were reset, brick sidewalks and cross-walks relaid, by H. Gore & Co. The former pavement was cobble-stones.

Harrison Avenue (westerly side). — From about 85 feet south of East Newton street to 100 feet south of East Springfield street, and (easterly side) from East Newton street, through Stoughton street, was paved with Trinidad asphalt, on an American cement concrete base, with asphaltic cement binder, by the Barber Asphalt Paving Company. The sub-grading was done by the Paving Division. The former pavement was granite blocks.

Henchman Street. — From Charter to Commercial street was paved with large granite blocks, on a gravel base, with Portland cement grout joints. The sub-grading was done by the Paving Division. The roadway was paved, edgestones reset, brick sidewalks and flagging cross-walks relaid, by J. B. O'Rourke & Co. The former surface was macadam.

Lancaster Street. — From Causeway to Merrimac street was paved with large granite blocks, on a gravel base, with Portland cement grout joints. The sub-grading was done by the Paving Division. The roadway paved, edgestones reset, brick sidewalks and flagging cross-walks relaid, by John Turner & Co. The former pavement was asphalt, so worn that the cobble-stones on which it was laid were exposed for large areas.

Massachusetts Avenue (southerly side). — From Washington to Albany street was paved with Sicilian rock asphalt, on an American cement concrete base, by H. Gore & Co. Work on the above, which had been postponed on account of unfavorable weather the previous season, was completed in June, 1895. A part of the asphalt surface, which was laid in 1894, was taken up and relaid, the surface of the concrete

base scraped off and repaired, in part with Portland cement concrete, and in part with an asphaltum concrete binder.

Merchants Row. — From State to North street was paved with large granite blocks, on an American cement concrete base, with Portland cement grout joints. The sub-grading was done by the Paving Division. The concrete base put down, paving laid, edgestones reset, brick sidewalks and flagging cross-walks relaid, by A. A. Libby & Co. The former pavement was granite blocks.

North Margin Street. — From Thacher to Stillman street was paved with Trinidad asphalt, on an American cement concrete base, with asphaltic cement concrete binder, by the Barber Asphalt Paving Company. The sub-grading was done by the Paving Division, edgestones were reset and brick sidewalks were repaved by T. H. & W. A. Payson. The former pavement was part cobble-stones, part old asphalt on cobbles, and part macadam.

Otis Street. — From Summer street to Winthrop square was paved with large granite blocks, on gravel base, with Portland cement grout joints. The old pavement was barred out and loaded, the sub-grading was done, the roadway paved, and the flagging cross-walks relaid by James Grant & Co. The Paving Division furnished teams for carting away the surplus materials. The former pavement was old granite blocks.

Oxford Street. — From Beach to Essex street was paved with Trinidad asphalt, on existing macadam, with asphaltic cement binder and base course, by the Barber Asphalt Paving Company.

Pinckney Street. — From Charles through Brimmer street was paved with Trinidad asphalt, on an American cement concrete base, with asphaltic cement concrete binder, by the Barber Asphalt Paving Company. The sub-grading was done by the Paving Division. The edgestones were reset and the brick sidewalks repaved by T. H. & W. A. Payson. The former surface of the street was macadam.

Prince Street. — From Hanover street to Bennett avenue was paved with Sicilian rock asphalt, on an American cement concrete base, by H. Gore & Co. The existing block pavement was removed and the sub-grading done by the Paving Division. Edgestones were reset, brick sidewalks and flagging cross-walks were relaid, by H. Gore & Co. The old paving-blocks were used on Barton street and on Noyes place. The former pavement was old granite blocks.

Spring Street. — From Poplar to Leverett street was paved with Trinidad asphalt, with asphaltic cement concrete base course and binder, on existing cobble-stone pavement, by the

Barber Asphalt Paving Company. The edgestones were reset and the brick sidewalks and flagging cross-walks relaid by J. Turner & Co. The former pavement was cobble-stones.

Summer Street (northerly side). — From Washington to Federal street, with the exception of a part at High street, was paved with large granite blocks, on an American cement concrete base, with Portland cement joints. The sub-grading was done by the Paving Division. The paving was laid, the edgestones reset, and the brick sidewalks and flagging cross-walks relaid by James Grant & Co. By agreement, the West End Street Railway Company paid for 1,438.7 square yards, at the rate of \$0.38 per square yard; and the Edison Electric Illuminating Company paid for 936.3 square yards, at the rate of \$0.38 per square yard. The former pavement was old granite blocks.

Tileston Street. — From Salem to Wiggin street was paved with Trinidad asphalt, on an American cement concrete base, with asphaltic cement concrete binder, by the Barber Asphalt Paving Company. The sub-grading was done, the edgestones were reset, and the brick sidewalks relaid by the Paving Division. The former pavement was old cobble-stones.

Warren Street (Charlestown). — From Winthrop to Soley street was paved with Sicilian rock asphalt, on an American cement concrete base, by the Boston Asphalt Company. The sub-grading was done by the Paving Division. The edgestones were reset, the brick sidewalks and flagging cross-walks relaid, by John Turner & Co. The pavement removed was old granite blocks.

West Street. — From Tremont to Washington street was paved with large granite blocks, on an American cement concrete base, and Portland cement grout joints. The old pavement was removed, the sub-grading done, the concrete base laid, the paving laid, the edgestones reset, the brick sidewalks and flagging cross-walks relaid, by H. Gore & Co. The former pavement was old granite blocks.

Whitmore Street. — From Kneeland to Harvard street was paved with Sicilian rock asphalt, on an American cement concrete base, by the Boston Asphalt Company. The sub-grading was done by the Paving Division. The edgestones were reset and the brick sidewalks and flagging cross-walks relaid by H. Gore & Co. The former pavement was macadam.

NEW STREETS.

Construction on the following streets has been done under Chapter 323 of the Acts of the Legislature of Massachusetts

of 1891, and Acts in amendment thereof or in addition thereto. Five of them, namely, Boylston street, Ivy street, Norway, Parker, and St. Germain streets, were commenced in 1894.

Boylston Street. — From Boylston road to Brookline line is about 2,070 feet long. The work of filling to sub-grade was begun on this street in 1894 and completed April 27, 1895, at a total cost of \$47,819.37, at the rate of \$0.62½ per cubic yard. The contractor was John O'Brien. No contracts have yet been made for constructing the street, as extensive sewer construction upon piles is in progress.

Harvard Avenue. — From Commonwealth avenue to the Brookline town line is about 550 feet long. The contract for constructing this avenue was awarded to William Scollans. Work was commenced October 19, 1895, and completed December 21, 1895, at a total cost of \$3,313.09. This is a Telford macadam road, with gravel sidewalks; the base is eight inches and the surface four inches in thickness. Telford stone and crushed stone was furnished and delivered by the city; the edgestones were furnished by the city and hauled by the contractor.

Ivy Street. — From St. Mary to Mountfort street, not including the Audubon road intersection, is about 772 feet long. Work was begun on this street in 1894 and completed June 15, 1895, at a total cost of \$7,322.44. It is a 6-inch macadam road with brick sidewalks. The contractors were James Grant & Co. Crushed stone was furnished and delivered by the city; the edgestones were furnished by the city and hauled by the contractor.

Kenmore Street. — From Commonwealth avenue to Newbury street is about 239 feet long. The contract for constructing this street was awarded to Doherty & Connors. Work was begun July 22, 1895, and completed August 12, 1895, at a total cost of \$974.23. It is a 6-inch macadam road with brick sidewalks. The crushed stone was furnished and delivered by the city; edgestones were furnished by the city and hauled by the contractors.

Norway Street. — From Massachusetts avenue to Falmouth street is about 610 feet long. The contract for constructing the street was awarded to Quimby & Ferguson. Work was begun May 21, 1895, and completed August 7, 1895, at a total cost of \$3,162.27. This is a Telford macadam road, with brick sidewalks; the base is eight inches and the surface four inches in thickness. Telford stone and crushed stone were furnished and delivered by the city; the edgestones were furnished by the city and hauled by the contractors.

Parker Street. — From Huntington avenue to Westland

avenue is about 1,687 feet long. Work was begun on this street in 1894, as noted above, and completed June 19, 1895, at a total cost of \$23,850.26. The contractors were Doherty & O'Leary. It is a Telford macadam road, with brick sidewalks; the base is ten inches and the surface six inches in thickness. The contractors furnished all materials used in constructing this street.

St. Germain Street. — From Massachusetts avenue to Dalton street is about 749 feet long. Work was begun on this street in 1894, and completed June 8, 1895, at a total cost of \$4,923.36. The contractors were Quimby & Ferguson. It is a Telford macadam road, with brick sidewalks; the base is eight inches and the surface four inches in thickness.

Sherborn Street. — From Commonwealth avenue to Charles river is about 464 feet long. The contract for constructing this street was awarded to Doherty & Connors. Work was begun July 23, 1895, and completed October 5, 1895, at a total cost of \$4,214.21. This is a 6-inch macadam road, with gravel sidewalks. In addition to the above work, a capstone and iron fence were placed upon the sea-wall at the river; the capstone was furnished and laid by Joseph Ross for \$4.92 per lin. foot for 64 feet, or \$315. The iron fence, built and erected by P. J. Dinn, for \$118, is 63 feet 9 inches long. Crushed stone was furnished and delivered by the city; edgestones were furnished by the city and hauled by the contractor.

GRADING STREET-RAILWAY TRACKS.

The grades for tracks in the following streets have been determined and furnished to the street-railway companies. On streets marked * the surveys were made and levels taken by the railway companies.

WEST END STREET RAILWAY.

Battery Street. — From Commercial street to North Ferry.

Brighton Avenue. — From Commonwealth avenue to Cambridge street.

* *Brookline Avenue.* — From Longwood avenue to the Fenway.

* *Caldwell, Perkins, and Brighton Streets (Charlestown).* — From Main to Cambridge street.

* *Chelsea Street (Charlestown).* — From Bunker Hill street to Vine street.

Columbus Avenue. — From Park square to beyond Ferdinand street.

** Commonwealth Avenue.* — From St. Paul street to beyond Essex street.

East Sixth Street. — From N street to O street.

Harvard Avenue. — From Commonwealth avenue to Brookline line.

Huntington Avenue. — From 200 feet north of Vancouver street to beyond Longwood avenue.

Longwood Avenue. — From Autumn street to Huntington avenue.

Lowell Street. — From Causeway street to Brighton street.

** Norfolk Street.* — From Washington street to the N.Y. & N.E. R.R. bridge.

P Street. — From Fourth street to Sixth street.

** Shawmut Avenue.* — From Dover street to Roxbury street.

Summer Street. — From Washington street to Kingston street.

** Summer Street.* — From Kingston street to Federal street.

** Warren Street.* — From Dudley street to Grove Hall.

Washington Street. — From Parsons street to Oak square.

NORFOLK SUBURBAN STREET RAILWAY.

** River Street.* — From Blue Hill avenue to the Lower Mills.

LYNN & BOSTON STREET-RAILWAY COMPANY.

** Chelsea Street.* — From Vine street to Scotts court.

MISCELLANEOUS WORK.

Ashmont Street and Dorchester-avenue Bridge. — Plan and proposed grades for additions to the bridge over the N.Y., N.H., & H. R.R. (Old Colony System), necessitated by the construction of the Talbot-avenue extension.

Algonquin and Bradlee Streets. — Plan of proposed park curbing for planting-space.

Sherborn Street. — Plans of proposed granite capstone for sea-wall, and also for iron fence.

Catch-Basins. — Details of coping and gutter-stones for corners, Bradlee pattern.

Riverside Gravel Bank (Auburndale). — Plan and cross-section of bank for gravel used for filling on Boylston-street extension.

Harrison Avenue (from East Newton street to East Springfield street). — Plan showing limits of asphalt pavement under guarantee.

Commonwealth Avenue (at Washington street). — Plan and cross-section of ledge for measurement.

Chelsea Street (at Scotts court). — Plan and profile showing grades of edgestone for the B. & M. R.R. Company.

Surveys, plans, and estimates for improving and paving the following streets have been made :

Barton Street. — From Lowell street to Minot street.

Beacon Street. — From Arlington street to Dartmouth street.

Doane Street. — From Kilby street to Broad street.

Garland Street. — From Washington street to Shawmut avenue.

Harrison Avenue. — From Harvard street to Kneeland street.

Lowell Street. — From Causeway street to Brighton street.

Newbury Street. — From Arlington street to Dartmouth street.

Surveys and plans were made for work upon the following streets : grades and lines given, but the work of construction was not supervised by this department :

Austin Street (Charlestown). — From the Fitchburg Railroad track to the B. & M. R.R. track was paved with large granite blocks, on a gravel base, with gravel joints.

Barrett Street. — From Fulton street to North street was paved with large granite blocks, on a gravel base, with Portland cement grout joints ; the old pavement was removed and the sub-grading done by the Paving Division. The roadway was paved, the edgestones reset, and the brick sidewalk relaid by A. A. Libby & Co. The former pavement was of cobble-stones.

Barton Street. — From Leverett street to Lowell street was paved with granite blocks taken from Prince street and from part of Barton street. The blocks were laid on a gravel base with gravel joints. The old pavement was taken up and sub-grading done by the Paving Division. The roadway was paved, the edgestones reset, and the brick sidewalks relaid by J. Turner & Co. The pavement removed was of old granite blocks.

Castle Street. — From Washington street to Tremont street was paved with granite blocks, on a gravel base, with Portland cement grout joints. The sub-grading was done by the Paving Division ; the roadway was paved, the edge-

stones reset, brick sidewalks and cross-walks relaid, by James Grant & Co. The old pavement was taken up and relaid.

Commonwealth Avenue. — From Cottage Farm bridge to Warren street, lines and grades were given and measurements made for a large amount of work done upon this part of the avenue by the Street Department.

East Eighth Street. — From H street to K street was paved with large granite blocks on a gravel base, with gravel joints. The sub-grading was done by the Paving Division. The roadway was paved, edgestones reset, brick sidewalks and cross-walks relaid, by J. B. O'Rourke & Co. Two new catch-basins were built. The former surface was macadam.

East Sixth Street (northerly side). — From N street to O street was paved with large granite blocks, on a gravel base, with gravel joints. The sub-grading was done by the Paving Division. The roadway was paved, edgestones reset, and the brick sidewalks and flagging cross-walks relaid by J. B. O'Rourke & Co. The former surface was macadam.

Lewis Street. — From Commercial street to North street was paved with large granite blocks, on a gravel base, with Portland cement joints. The sub-grading was done by the Paving Division. The roadway was paved, the edgestones reset, and the brick sidewalks and flagging cross-walks relaid by A. A. Libby & Co. The former pavement was cobblestones.

Maverick Street. — From Chelsea street to the B. & M. R.R. crossing was paved with large granite blocks, on a gravel base, with gravel joints. The sub-grading was done by the Paving Division. The roadway was paved, the edgestones reset, and the brick sidewalks relaid by C. L. Ward. The former pavement was part cobble-stone and part macadam.

P Street. — From Fourth street to Sixth street was paved with large granite blocks, on a gravel base, with Portland cement grout joints. The sub-grading was done by the Paving Division. The roadway was paved, the edgestones reset, and the brick sidewalks relaid by J. B. O'Rourke & Co. The former surface was macadam.

The work done by the Surveying Division of this department, for the Street Department, has been almost exclusively in the giving of street lines and grades, for setting and resetting curbstone, laying brick sidewalks, and the measurement of the work so constructed, together with the measurement of some granite paving-work not supervised by this department, on Baldwin, Burbank, Bristol, D, Chambers, Merrimac, Oak, Richards, and Wapping streets.

The total amount of work measured by the Surveying Division for the Street Department during the year is as follows :

Edgestone set and reset, lin. ft.	. . .	129,382
Block-stone paving, sq. yds.	. . .	60,473
Round-stone paving (gutters), sq. yds.	. . .	32,941
Brick sidewalk paving, sq. yds.	. . .	68,701
Artificial stone sidewalks, sq. yds.	. . .	12,295
Asphalt paving, sq. yds.	. . .	1,297
Coal-tar concrete walks, sq. yds.	. . .	183

MISCELLANEOUS WORK AND CONSTRUCTION IN 1895.

CHARLES-RIVER BRIDGE.

A contract was made, June 14, 1895, with J. N. Hayes & Co., for repairing the draw foundation of this bridge. Plans and specifications were furnished by this department.

Twenty-six new spruce piles were driven in the foundation, and capped with hard-pine caps; two main lines and part of the rear line, of track-stringers were replaced with new hard-pine sticks, bolted and keyed together, and bolted to caps. Four lines of rails were spiked to the main lines of track-stringers, and two to the rear line. The old trucks under the heavy bearings were replaced by trucks taken from the old draws at Dover-street bridge. They were thoroughly overhauled, and placed in position by blocking up the draw. Six oak piles were driven on the Charlestown side of the channel, on the down-stream end of the draw-landing, and capped, so as to secure a good landing for the draw. The channel-faces of the fender-guards were also repaired. The total cost of the entire work done was \$4,259.51.

CHELSEA BRIDGE, FROM CHARLESTOWN TO CHELSEA.

The work of abolishing the grade crossings on the Mystic wharves by the Boston & Maine R.R., and mentioned in the last annual report, has been completed during the year.

In connection with this work the city has rebuilt the North draw and its foundations, over the Mystic river, as the old draw was in a decayed and dangerous condition.

On May 23, 1895, a contract was made with Augustus Bellevue & Co., of Boston, to rebuild the draw foundation in accordance with plans and specifications furnished by this department, the contract price being \$19,260.

The draw foundation is built of hard-pine lumber, supported by new oak piles. Under this contract the down-stream pier was extended for a length of 60 feet, and the up-stream pier for a length of 50 feet; the bridge on the Chelsea side of the draw was rebuilt for a length of 21 feet, and on the Charlestown side of the draw for an average length of 33 feet, the roadway being paved with granite blocks.

The woodwork for a length of about 53 feet adjoining the above work on the Charlestown side was also rebuilt above the piles by Augustus Bellevue & Co., under an accepted proposal, for \$1,200; the granite-block paving on this part of the bridge being done by the Boston & Maine R.R.

The old draw has been replaced with a new steel draw of the retractile type, with three lines of main plate girders. The draw is 49 feet 11 inches wide between centres of outside railings, and has two roadways and one sidewalk. The draw is operated by an electric motor attached to it, the electric current being taken, by means of a trolley, from a wire supported on the draw foundation.

The draw machinery is operated from a controller attached to the middle samson post of the draw. Hand or horse power can also be used for moving the draw.

The superstructure of the draw was built and erected by the Penn Bridge Company, of Beaver Falls, Penn., and the trucks built by the Atlantic Works.

The motor and electrical work was furnished by the General Electric Company, and the gearing and other machine-work by Miller & Shaw. The draw and its appurtenances were designed by this department.

Previous to the rebuilding of the old draw by the city, team and foot travel was stopped on this bridge on account of the rebuilding of the approach to the viaduct by the Boston & Maine R.R. This was considered a good opportunity to replace the old draw and its foundations, the Lynn & Boston R.R. making provision for electric-car travel by the extension of the temporary bridge and constructing a new temporary draw over the channel, on the up-stream side of the old draw.

The new steel draw was first run on by electricity on December 26, 1895, and travel was resumed over the bridge on December 28, 1895.

The total cost charged to this appropriation to February 1, 1896, was \$33,827.91.

CHELSEA-STREET BRIDGE.

As mentioned in the last annual report, the pile structure was rebuilt by B. F. Nay & Co., and the steel draw was built by the Boston Bridge Works. The bridge was opened to team-travel February 26, 1895. The cost of the contract-work on the pile bridge was \$15,241.53; on the steel draw, \$8,450. The sheathing of the bridge and draw was done by the Bridge Division.

COTTAGE FARM BRIDGE (OVER THE BOSTON & ALBANY RAILROAD).

During the past year the following work has been done on the northerly section of the bridge: The middle pier has been extended 210 feet 6 inches, and the parapets on the abutments set by David S. Crockett & Co., the stone for the parapets being furnished by the Cape Ann Granite Company; two steel girders have been built and set in position by the Boston Bridge Works; 20-inch steel beams have been furnished by Page, Newell, & Co., but are not yet in place; and hollow bricks and skewbacks have been furnished by the Boston Fire Proof Company.

GOLD-STREET BRIDGE.

Under an order from the Street Department, dated May 13, 1895, plans and specifications were prepared for a bridge over the tracks of the New York & New England Railroad at Gold street.

A contract for the abutments was made with Frank H. Blaisdell, dated June 11, 1895, for the sum of \$1,850, and subsequently an agreement was made with him for building two short return-walls at the ends of the west abutment. Work was begun July 1, and completed about January 1. The total amount paid under these two agreements was \$2,333.45.

A contract was made with the Boston Bridge Works, dated June 11, 1895, for the superstructure of the bridge, for the sum of \$1,570, and the work was completed January 20, 1896.

This department was also requested to see that the work of raising the building on the northerly side of Gold street, adjoining the east abutment, was carried out in accordance with an agreement made by the Street Department with F. H. Blaisdell, dated September 18, 1895. This work was finished early in January, satisfactory to the Building Department, and a final estimate made January 24, 1896, for the sum of \$2,082.37.

CITY HOSPITAL GROUNDS.

Plans and specifications have been prepared for the grading of a portion of the City Hospital grounds, building drains and building boundary walls, also surfacing drives and walks.

The work is ready for advertising for proposals.

HIGHLAND PARK.

During the fall of the past year considerable work has been done at Highland park, or old Fort square, Roxbury, from plans furnished by Messrs. Olmstead, Olmstead, & Eliot. The design is to restore the Old Fort up to the level of the interior platform, omitting the parapet, thus forming an elevated playground or concourse in accord with the aspect of a fortification. In other parts of the grounds walks will be provided, forming a complete circuit within the boundary, with widenings in the recesses between the bastions. The surface of the remaining spaces will be covered with low bushes, vines, and creepers. Considerably more than half the work contemplated has been done, a suitable retaining-wall has been built on Fort avenue, and the grading and walks on the north side of the grounds have been practically completed; the rough grading of the Old Fort has been nearly finished to the level of the platform; the stand-pipe has been painted and repaired.

A model was prepared by Mr. J. W. McClintock, Civil Engineer, based upon the lines shown on a contour plan made of the grounds in and upon such other data as could be collected. The plan of the grounds showed plainly the location of two of the bastions of the Old Fort.

With the approval of His Honor the Mayor the model was donated to the Bostonian Society, September 20, 1895.

The total cost of the work done under the direction of this department was \$6,306.06.

EAST BOSTON FERRIES.

Middle Pier, North Ferry. March 27, 1895, a contract was made with W. H. Ellis & Co., for extending the middle pier at the East Boston side of the North Ferry. The pier was extended 30 feet, at a cost for contract work of \$1,775.60.

New Drop, South Ferry. A contract was made by the Superintendent of Ferries, June 20, 1895, with William McKie, to build a new ferry drop to replace the old one at the southerly side of the Boston landing of the South Ferry, for \$5,611. The old drop was delivered to the Ferry Division, its machinery being removed to the new drop, and the necessary changes of the foundation and landing being made.

TEMPORARY FOOT-BRIDGE AT ROXBURY CROSSING.

A wooden foot-bridge was built over the tracks of the New York, New Haven, & Hartford Railroad at Roxbury Crossing,

on Tremont street, under a contract with Josiah Shaw, dated June 11, 1895, at a cost of \$981.

WEST NEWTON-STREET BULKHEAD.

A timber bulkhead was built across the end of West Newton street abutting on the line of the Boston & Albany Railroad, under a contract with A. Bellevue & Co., for the sum of \$344.

WIDTHS OF DRAW-OPENINGS.

The table showing the widths of draw-openings in the bridges over tide-water in this city is given in Appendix A. The openings have all been remeasured for this report.

Respectfully submitted,

WILLIAM JACKSON,
City Engineer.

CITY ENGINEERS.

1850-1895.

E. S. CHESBROUGH, M. Am. Soc. C. E.,
Nov. 18, 1850, to Oct., 1855.
(Died August 18, 1886.)

JAMES SLADE,
Oct. 1, 1855, to April 1, 1863.
(Died August 25, 1882.)

N. HENRY CRAFTS,
April 1, 1863, to Nov. 25, 1872.

JOSEPH P. DAVIS, M. Am. Soc. C. E.,
Nov. 25, 1872, to March 20, 1880.
(Resigned March 20, 1880.)

HENRY M. WIGHTMAN, M. Am. Soc. C. E.,
April 5, 1880, to April 3, 1885.
(Died April 3, 1885.)

WILLIAM JACKSON, M. Am. Soc. C. E.,
April 21, 1885, to the present time.

APPENDIX A.

Table showing the Widths of Openings for Vessels in all Bridges provided with Draws, in the City of Boston, January, 1896.

NAME OF BRIDGES.	LOCATION.	NUMBER OF OPENINGS.	WIDTH.	
			Feet.	In.
Boston & Maine R.R.	Boston to Charlestown	1	39	7
" "	Over Miller's River	1	36	0
Broadway	Over Fort-point Channel	1	43	3
Cambridge-st.	Brighton to Cambridge	1	36	3
Canal	Boston to East Cambridge	1	36	1
Charles-river	Boston to Charlestown	1	36	0
Chelsea (South Channel)	Charlestown to Chelsea	1	38	9
" (North ")	" "	1	44	10
Chelsea-st. (East Boston side)	East Boston to Chelsea	2	36	0
" (Chelsea side)	" "	.	36	0
Commercial-point	Dorchester	1	24	0
Congress-st. (Boston side)	Over Fort-point Channel	2	43	3
" (So. Boston side)	" "	.	43	11
Dover-st.	" "	1	36	10
Eastern R.R.	Boston to Charlestown	1	39	8
" "	Over Miller's River	1	35	6
Essex-st.	Brighton to Cambridge	1	35	9
Federal-st.	Over Fort-point Channel	1	41	10
Fitchburg R.R.	Boston to Charlestown	1	36	0

Fitchburg R.R. (for teaming freight)	.	.	.	.	.	Boston to Charlestown	1	36	0
Grand Junction R.R.	.	.	.	.	.	Brighton to Cambridge	1	35	9
" "	.	.	.	.	.	East Boston to Chelsea	1	34	6
Granite .	.	.	.	.	.	Dorchester to Milton	1	36	0
Harvard (Boston side)	.	.	.	.	.	Boston to Cambridge	2	36	6
" (Cambridge side)	.	.	.	.	.	" "	.	36	8
L-street .	.	.	.	.	.	Over Reserved Channel, South Boston	1	40	0
Lowell R.R. (freight)	.	.	.	.	.	Boston to East Cambridge	1	40	2
" " (passenger)	.	.	.	.	.	" "	1	39	7
Malden .	.	.	.	.	.	Charlestown to Everett	1	43	2
Meridian-st. (East Boston side)	.	.	.	.	.	East Boston to Chelsea	2	59	2
" (Chelsea side)	.	.	.	.	.	" "	.	59	0
Mt. Washington-ave. (Boston side)	.	.	.	.	.	Over Fort-point Channel	2	42	3
" " (So. Boston side)	.	.	.	.	.	" "	.	42	3
Neponset .	.	.	.	.	.	Dorchester to Quincy	1	36	0
New York & New England R.R. (Boston side)	.	.	.	.	.	Over Fort-point Channel	2	41	9
" " (So. Boston side)	.	.	.	.	.	" "	.	40	9
" "	.	.	.	.	.	Over South Bay	1	28	4
North Beacon-st.	.	.	.	.	.	Brighton to Watertown	1	30	0
North Harvard-st.	.	.	.	.	.	Brighton to Cambridge	1	36	0
Old Colony R.R.	.	.	.	.	.	Over Fort-point Channel	1	36	4
" "	.	.	.	.	.	Dorchester to Quincy	1	36	0
Prison-point .	.	.	.	.	.	Charlestown to Cambridge	1	36	0
Warren .	.	.	.	.	.	Boston to Charlestown	1	36	2
West Boston (Boston side)	.	.	.	.	.	Boston to Cambridge	2	36	6
" (Cambridge side)	.	.	.	.	.	" "	.	36	1
Western-ave.	.	.	.	.	.	Brighton to Cambridge	1	36	0
" "	.	.	.	.	.	Brighton to Watertown	1	35	10

APPENDIX B.

TABLE OF ACCIDENT AND OTHER PLANS MADE FOR THE LAW
DEPARTMENT, FROM FEBRUARY 1, 1895, TO JULY 1, 1895.

BOSTON PROPER.

- Appleton Street.* — Plan of street in front of No. 42.
Battery Street. — Plan of street at corner of Commercial street.
Berwick Park. — Plan of, in front of No. 10.
Boylston Street. — Plan of street on southerly side in front of old Public Library building.
Church Street. — Plan of street at corner of Boylston street.
Clarendon Street. — Plan of street in front of No. 24.
Columbus Avenue. — Plan of, in front of No. 182.
Columbus Avenue. — Plan of, at southeast corner of Camden street.
East Concord Street. — Plan of street in front of No. 13.
Friend Street. — Plan of street in front of Nos. 150, 154.
Green Street. — Plan of street in front of Nos. 10, 12.
Hanover Street. — Plan of street, corner of North Centre street.
Hanover Street. — Plan of street near corner of Sigourney place.
Hanover Street. — Plan of street in front of No. 372.
Harrison Avenue. — Plan of, near Stoughton street.
Huntington Avenue. — Plan of, in front of No. 86.
Isabella Street. — Plan of street in front of Presbyterian church.
Joy Street. — Plan of street in front of No. 13.
Kneeland Street. — Plan of street in front of Nos. 104, 110.
Lynde Street. — Plan of street at corner of Green street.
Massachusetts Avenue. — Plan of, near Albany street.
Merchants Row. — Plan of, in front of No. 44.
Milk Street. — Plan of street at corner of Hawley street.
Northampton street. — Plan of street at corner of Tremont street.
Northampton Street. — Plan of street at southwest corner of Columbus avenue.
Shawmut Avenue. — Plan of, near Brookline street.
Summer Street. — Plan of street at corner of South street.
Travers Street. — Plan of street in front of No. 80.
Tremont Street. — Plan of street in front of No. 266.
Tremont Street. — Plan of street in front of No. 782.
Tremont Street. — Plan of street at corner of Northfield street.
Washington Street. — Plan of street at corner of Avon street.

SOUTH BOSTON.

- K Street.* — Plan of street in front of No. 64.
West First Street. — Plan of street in front of Nos. 421, 423.
West Third Street. — Plan of street in front of No. 164.
West Fourth Street. — Plan of street in front of No. 436.

CHARLESTOWN.

- Bow Street.* — Plan of street at corner of Washington street.
Henley Street. — Plan of street from Park street to Main street.
Perkins Street. — Plan of street at corner of Cambridge street.

ROXBURY.

- Hampshire Street.* — Plan of street at corner of Culvert street.
Huntington Avenue. — Plan of, in front of House of Good Shepherd.
Leon Street. — Plan of street in front of No. 24.
Rockland Street. — Plan of street in front of No. 55.
Roxbury Street. — Plan of street in front of No. 104.
Tremont Street. — Plan of street in front of No. 1485.
Walnut Avenue. — Plan of, at corner of Circuit street.
Warren Street. — Plan of street at corner of Taber street.

DORCHESTER.

- Cushing Avenue.* — Plan, near Upham's Corner.

MEDFORD.

- Boston Avenue.* — Plans of, in Medford.

OTHER PLANS FOR LAW DEPARTMENT.

- Essex Street.* — From Beach street to South street, plan of, showing estates.
Harrison Avenue. — From Essex street to Beach street, plan of, showing estates.
Tremont Street. — At the corner of Boylston street, copy of plan showing widening on the Common.

ACCIDENT PLANS MADE FOR THE LAW DEPARTMENT, FROM
JULY 1, 1895, TO JANUARY 31, 1896.

BOSTON PROPER.

- Blackstone Street.* — Plan of street in front of No. 133.
Boylston Street. — Plan of street at the corner of Church street.
Boylston Street. — Plan of street, northerly side opposite old Public Library building.
Broadway. — Plan of, in front of No. 16.
Cambridge Street. — Plan of street in front of No. 204.
Chandler Street. — Plan of street in front of No. 69.
Columbus Square. — Plan of, in front of No. 4.
Court Street. — Plan of street in front of No. 61.
Derne Street. — Plan of street in front of No. 32.
Eastern Avenue. — Plan of, in front of No. 27.
Friend Street. — Plan of street at the corner of Market street.
Hanover Street. — Plan of street in front of No. 273.
Haymarket Square. — Plan of, near Washington street.
Joy Street. — Plan of street in front of No. 14.
Merrimac Street. — Plan of street in front of Nos. 131, 133.
Phillips Street. — Plan of street in front of No. 65.

Prince Street. — Plan of, in front of No. 93.

Russell Place. — Plan of, in front of Nos. 1, 2.

Shawmut Avenue. — Plan of, at corner of Rutland street.

Stoddard Street. — Plan of street in front of No. 3.

St. James Avenue. — Plan of, in front of No. 13.

Sun Court Street. — Plan of street in front of No. 3.

Winter Street. — Plan of street in front of No. 17.

SOUTH BOSTON.

Dorchester Street. — Plan of street in front of No. 21.

West Second Street. — Plan of street in front of No. 404.

CHARLESTOWN.

Devon Street. — Plan of street in front of No. 80.

Main Street. — Plan of street in front of No. 427.

ROXBURY.

Adams Street. — Plan of street in front of No. 46.

Albany Street. — Plan of street in front of No. 825.

Bower Street. — Plan of street in front of Nos. 8, 10.

Centre Street. — Plan of street in front of No. 8.

Prentiss Street. — Plan of street in front of No. 10.

DORCHESTER.

Bruce Street. — Plan of street near Dracut street.

Gleason Street. — Plan of street in front of Harvard Congregational Church.

McLellan Street. — Plan of street near White street.

Minot Street. — Plan of street near Glide street.

Parkman Street. — Plan of street in front of No. 9.

WINTHROP.

Main Street. — Plan of street at bridge in Winthrop.

APPENDIX C.

TABLE SHOWING SURVEYS, PLANS AND PROFILES MADE
BY THE SURVEYING DEPARTMENT, FROM FEBRUARY 1,
1895, TO JULY 1, 1895.

BOSTON PROPER.

- Atlantic Avenue.* — Plan of encroachment at T wharf.
- Bay State Road.* — Plan and profile of laying out and grade from Sherborn street to Granby street.
- Beacon Street.* — Plan of proposed widening from Tremont street to Tremont place.
- Bendall's Lane.* — Plan of relocation.
- Belvidere Street.* — Plan of Mechanic Arts High School, for Superintendent of Public Buildings.
- Boston.* — Plan of Boston proper, showing changes in street and wharf lines, 1795 to 1895. A copy accompanies this report.
- Carlton Street.* — Plan and profile from Yarmouth street to Massachusetts avenue.
- Commercial Street.* — Plan of encroachment, corner of Hanover street.
- Cotting Street.* — Plan and profile of grade from Leverett street to Lowell street.
- Granby Street.* — Plan and profile of laying out and grade from Commonwealth avenue to Charles river.
- India Square.* — Plan of proposed widening.
- India Street.* — Plan of relocation between India square and Atlantic avenue.
- Irving Street.* — Plan and profile of grade at Bowdoin-school lot.
- Laconia Street* (formerly Ashland place). — Plan and profile of laying out and grade from Washington street to Harrison avenue.
- Norway Street.* — Plan for construction assessment from Falmouth street to Massachusetts avenue.
- Pemberton Square.* — Plan of Court House, for Superintendent of Public Buildings.
- Prince Street.* — Plan of proposed addition to Hancock-school lot.
- Proposed Street.* — Plan and profile of proposed laying out and grade from Boylston street to Lansdowne street.
- South Russell Street.* — Plan and profile for grade at Bowdoin-school lot.
- State Street.* — Plan showing lines around Brazers Building.
- St. Germain Street.* — Plan for construction assessment from Dalton street to Massachusetts avenue.
- Tremont Street.* — Plan of proposed widening from Beacon street to Park street.

Tyler Street. — Plan and profile of grade between Beach street and Harvard street.

Washington Street. — Plan of territory bounded by Shawmut avenue, Dover street, and Groton street, for Park Department.

SOUTH BOSTON.

Dorchester Street. — Plan showing encroachment between West Sixth street and Tudor street.

EAST BOSTON.

East Boston Terminal. — Two large plans showing proposed change of railroad locations.

Gove Street. — Plan of proposed addition to school lot.

CHARLESTOWN.

Dorrance Street. — Plan of passageway to Beacham street.

Pine Street. } — Plan of proposed addition to school lot.
Vine Street. }

ROXBURY.

Abbotsford Street. — Plan and profile of laying out and grade from Walnut avenue to Crawford street.

Alleghany Street. — Plan and profile of proposed laying out and extension from Parker street to St. Alphonsus street, with grade.

Comins Terrace. — Plan and profile of laying out and grade from Bower street to Munroe-school lot.

Fenno Street. — Plan and profile of laying out and grade from Buena Vista street to Rockland street.

Intervale Street. — Plan and profile of proposed laying out and grade from Blue Hill avenue eastwardly.

Parker Hill Avenue. — Plan and profile of proposed revision of grade from Huntington avenue to Hillside street.

Prentiss Place. — Plan and profile of proposed laying out, widening, and extension from Linden Park street to Cabot street, with grade.

Ruggles Street. — Plan and profile of proposed revision of grade from Tremont street to Columbus avenue.

Wyoming Street. — Plan and profile of proposed extension to Humboldt avenue, with grade.

DORCHESTER.

Bloomfield Street. — Plan and profile of proposed laying out and grade from Geneva avenue to Greenbrier street.

Ellet Street. — Plan and profile of proposed laying out and grade from Blue Hill avenue to New York & New England Railroad.

Harvest Street. — Plan of proposed school lot.

King Street and Adams Street. — Plan of proposed school lot.

Lauriat Avenue. — Plan of laying out and grade from Blue Hill avenue to New England Railroad.

WEST ROXBURY.

Arundel Street. — Plan and profile of proposed laying out and grade from Walter street to Selwyn street.

Kirk Street. — Plan and profile of proposed laying out and grade from Montview street to Crest street.

BRIGHTON.

Cambridge Street. — Plan and profile of widening with grade from Harvard avenue to Linden street.

Commonwealth Avenue. — Plan of land belonging to the City of Boston, at the corner of Chestnut Hill avenue.

TABLE OF SURVEYS, PLANS AND PROFILES MADE BY THE
SURVEYING DIVISION OF THE ENGINEERING DEPARTMENT,
FROM JULY 1, 1895, TO FEBRUARY 1, 1896.

BOSTON PROPER.

Albany Street. — Approximate plan of proposed widening from Lehigh street to Troy street.

Audubon Road. — Plan for construction assessment from Beacon street to Ivy street.

Bay State Road. — Plan for construction assessment from Sherborn street to Granby street.

Boylston Street. — Plan for construction assessment from Back Bay Fens to Brookline avenue.

Chambers Street. — Approximate plan for proposed school-house site between Poplar street and Allen street.

Charlestown Street. — Approximate plan of proposed widening from Haymarket square to Causeway street.

Clinton Street. — Plan and profile of widening with grade, from Commercial street to Fulton street, seventy feet wide.

Clinton Street. — Plan and profile of proposed widening with grade, from Commercial street to Fulton street, eighty feet wide.

Commonwealth Avenue. — Plan showing trees from Arlington street to Clarendon street.

Cross Street. — Approximate plan of proposed widening and extension to Haymarket square.

Granby Street. — Plan for construction assessment from Commonwealth avenue to Charles river.

Harrison Avenue. — Plan for Law Department from Essex street to Beach street.

Kenmore Street. — Plan for construction assessment from Commonwealth avenue to Newbury street.

Parker Street. — Plan for construction assessment from Westland avenue to Huntington avenue.

Prince Street. — Plan of proposed school-house site near Bennet avenue.

St. Botolph Street. — Plan and profile of proposed laying out and grade, from Massachusetts avenue to Gainsboro' street.

Sherborn Street. — Plan for construction assessment from Commonwealth avenue to Charles river.

State Street. — Plan showing lines around Brazers Building.

Turner Street. — Plan for construction assessment from Haviland street to Astor street.

SOUTH BOSTON.

Congress Street. — Plan and profile of proposed widening from A street to L street.

G Street and East Fourth Street. — Plan of proposed High-school lot.

I Street. — Plan of encroachment at No. 134.

Mt. Washington Avenue. — Approximate plan of proposed extension to A street.

West Fourth Street. — Silver street and E street, plan of proposed addition to Bigelow-school lot.

EAST BOSTON.

Lewis Street. — Approximate plan of proposed widening from Webster street to South Ferry.

Maverick Street. — Plan of encroachment at No. 374.

Wordsworth Street. — Plan and profile of proposed laying out and grade, from Saratoga street to Pope street.

CHARLESTOWN.

Elm Street. — Approximate plan of proposed extension to Mystic river.

Lynde Avenue. — Approximate areas for proposed street.

Quincy Street. — Plan and profile for proposed laying out and grade, from Bunker Hill street to Medford street.

Stetson Court. — Approximate plan of proposed extension to Park street.

ROXBURY.

Abbotsford Street. — Plan for construction assessment from Walnut avenue to Harold street.

Amory Street. — Plan and profile showing grade from Centre street to Amory avenue.

Brunswick Street. — Plan and profile of proposed laying out and grade east from Blue Hill avenue.

Columbus Avenue and Tremont Street. — Plan and profile for proposed change of grade at New York, New Haven & Hartford Railroad.

Devon Street. — Plan and profile of proposed laying out and grade east from Blue Hill avenue.

Dudley Street. — Plan of widening between Mt. Pleasant avenue and Mt. Pleasant place.

New Heath Street. — Plan and profile with revised grade at east side of Columbus avenue.

Oswald Street. — Plan and profile of proposed laying out and grade from Calumet street to Hillside street.

- Parker Hill Avenue.* — Plan and profile with revised grade from Huntington avenue to Hillside street.
- St. Alphonsus Street.* — Plan for construction assessment from Tremont street to Calumet street.
- Tremont Street.* — Plan of proposed relocation from Linden Park street to Texas street.
- Windsor Street.* — Plan of discontinuance of part not included in the extension of Columbus avenue.

DORCHESTER.

- Athelwold Street.* — Plan and profile of proposed laying out and grade from School street to Kilton street.
- Blue Hill Avenue.* — Plan and profile of relocation and grade from Seaver street to Canterbury street.
- Bowdoin Avenue.* — Plan of school-house and lot.
- Bradshaw Street* (formerly White street). — Plan and profile of proposed laying out and grade from Glenway street to Charlotte street.
- Burbank Street.* — Plan and profile of proposed laying out and grade from Washington street to Merrill street.
- Centre Street.* — Plan and profile of widening with grade from Washington street to Geneva avenue.
- Cook Street.* — Plan and profile of proposed laying out and grade from Washington street to Chamberlain street.
- Draper Court.* — Plan and profile of proposed laying out and grade from Bowdoin street to Coleman street.
- Draper Court.* — Plan and profile of proposed laying out and extension with grade from Bowdoin street to Clark street.
- East Street.* — Plan of school-house lot for architect.
- Edwin Street.* — Plan and profile of proposed laying out and grade from Dorchester avenue to Shawmut park.
- Fowler Street.* — Plan and profile of proposed laying out and grade from Glenway to Greenwood street.
- Gawain Street.* — Plan and profile of proposed laying out and grade from Harvard street to Park street.
- Geneva Avenue.* — Plan for construction assessment from Dorchester avenue to Westville street.
- Granger Street.* — Plan and profile of proposed extension and grade to Dorchester avenue.
- Granger Street.* — Approximate plan of extension through Leonard place and Gordon place to Dorchester avenue.
- Greenbrier Street.* — Plan and profile of laying out and grade from Bowdoin street to Bloomfield street.
- Greenwood Street.* — Plan and profile of proposed laying out and grade from Fowler street to Elmo street.
- Greenwood Street.* — Plan and profile of proposed laying out and grade from Elmo street to Harvard street.
- Harbor View Street.* — Plan of proposed addition to school-house lot.
- Josephine Street.* — Plan for construction assessment from Ditson street to Geneva avenue.

- Kingsdale Street* (formerly Coolidge avenue). — Plan and profile of laying out and grade from Standish street westerly.
- Lauriat Avenue*. — Plan for construction assessment from Blue Hill avenue to Thatcher street.
- Leeds Street*. — Plan and profile of proposed laying out and grade from Savin Hill avenue to Bay street.
- Mellen Street*. — Plan and profile of proposed laying out and grade from Ocean street to Montague street.
- Mill Street*. — Plan of proposed addition to Harris-school lot.
- Millet Street*. — Plan and profile of proposed laying out and grade from Harvard street to Park street.
- Morton Street*. — Plan of school-house and lot near Norfolk street.
- Morton Street*. — Plan and profile of proposed widening and grade from New England Railroad to Norfolk street.
- Pleasant Street*. — Plan of proposed relocation from East Cottage street to Stoughton street.
- Ramsey Street*. — Plan and profile of proposed laying out and grade from Dudley street to Hamlet street.
- Rosseter Street*. — Plan and profile of proposed extension and grade from Bullard street to Bowdoin avenue.
- Robinson Street*. — Plan of school lot, with grades, for architect.
- Shawmut Park*. — Plan and profile of proposed laying out and grade from King street to Templeton street.
- Talbot Avenue*. — Plan of proposed high-school lot, corner of Centre street.
- Thane Street*. — Plan and profile of proposed laying out and grade from Harvard street to Park street.
- Washington Street*. — Plan and profile of proposed relocation and grade from Norfolk street to Fuller street.
- Wilder Street*. — Plan and profile of proposed laying out from Washington street to Geneva avenue.
- Wolcott Street*. — Plan and profile of proposed laying out and grade from Columbia street to Erie street.

WEST ROXBURY.

- Back Street*. — Approximate plan and profile of proposed grade from Blue Hill avenue to Austin street.
- Boylston Avenue*. — Plan and profile of revised grade north from Green street.
- Brookside Avenue*. — Plan and profile of revised grade from Green street to Stony Brook.
- Calder Street*. — Plan and profile of proposed laying out and grade from Blue Hill avenue to Canterbury street.
- Canterbury Street*. — Plan and profile of proposed grade from Blue Hill avenue to Angell street.
- Fairview Street*. — Plan and profile of grade from Proctor street to Mendum street.
- Green Street*. — Plan and profile of revised grade from Brookside avenue to Boylston avenue.
- Hewlett Street*. — Plan of proposed school-house lot, corner of Walter street.

- Hewlett Street.*— Plan of school-house lot, corner of Walter street, showing grades for architect.
- Jones Street.*— Plan and profile of proposed laying out and grade from Fairview street to Walter street.
- Mendum Street.*— Plan and profile of proposed laying out and grade from Fairview street to Walter street.
- Park Street.*— Plan and profile of proposed laying out and grade from Centre street to Montview street.
- Stratford Avenue.*— Plan and profile of proposed laying out and grade from Anawan avenue to the N.Y., N.H., & H. R.R.

BRIGHTON.

- Bayard Street.*— Plan and profile of proposed laying out and grade from North Harvard street to Kenneth street.
- Cambridge Street.*— Plan showing addition to Allston Grammar-school lot.
- Cambridge Street.*— Plan showing widening at the corner of Henshaw street.
- Chestnut Hill Avenue.*— Plan and profile of proposed widening and grade from Beacon street to South street.
- Chiswick Road.*— Plan of school-house lot, corner of Chestnut Hill avenue.
- Harvard Avenue.*— Plan for construction assessment from Commonwealth avenue to Brookline line.
- Kenneth Street.*— Plan and profile of proposed laying out from Franklin street to beyond Bayard street.
- South Street.*— Plan and profile of proposed widening and grade from Chestnut Hill avenue to Commonwealth avenue.
- Weitz Street.*— Plan and profile of proposed laying out and grade from Franklin street to Bayard street.

APPENDIX D.

TABLE OF PLANS FOR SIDEWALK ASSESSMENTS MADE FOR
PAVING DIVISION OF STREET DEPARTMENT, FROM JULY
1, 1895, TO FEBRUARY 1, 1896.

BOSTON PROPER.

- Commonwealth Avenue.* — South side between Beacon street and Essex street, at Cottage Farm.
Parker Street. — Between Boylston street and Westland avenue.
Warren Avenue. — Southeast side between Berkeley street and Dartmouth street.
Washington Street. — At No. 1046.

SOUTH BOSTON.

- Baldwin Street.* — Between B street and Granite street.
Richards Street. — Between A street and Granite street.
West Eighth Street. — Northerly corner of D street, Nos. 118 and 120.

ROXBURY.

- Alaska Street.* — Southwest side.
Gaston Street. — South side from angle to Blue Hill avenue.
Gaston Street. — Southwest corner of Warren street.
Hammond Street. — Nos. 10 to 16.
Harold Street and Homestead Street. — Easterly corner.
Hazelwood Street. — Between Munroe street and Townsend street.
Howland Street and Elm Hill Avenue. — Northerly corner.
Maywood Street. — Between Warren street and Blue Hill avenue.
Quincy Street. — Northeast side from Warren street to Blue Hill avenue.
Sterling Street. — From Shawmut avenue to No. 61.
Sterling Street. — At No. 84.
Townsend Street. — Warren street to Harold street.

DORCHESTER.

- Adams Street.* — Between Minot street and Frederika street.
Alban Street. — Between Ashmont street and Welles avenue.
Bicknell Street. — At Nos. 35 and 37.
Kenwood Street. — Between Washington street and Allston street.
Ruslin Street. — Between Washington street and Harley street.
Talbot Avenue. — Between Washington street and Welles avenue.
Tremlett Street. — Near Hooper street.

WEST ROXBURY.

Perkins Street. — Corner of Jamaica way.

South Street. — Between Brookfield street and South Walter street.

CHARLESTOWN.

Mishawum Street. — Between Main street and Rutherford avenue.

LIST OF STREETS WHERE LOT FRONTAGES HAVE BEEN OBTAINED FOR THE SEWER DIVISION OF THE STREET DEPARTMENT FOR SEWER ASSESSMENTS FOR THE YEAR 1895.

CHARLESTOWN.

Chelsea Street. — Westerly side from Medford street to Scotts court.

Lawrence Street. — From Union street to Austin street.

EAST BOSTON.

Chelsea Street. — At and near Prescott street.

Marion Street. — From Bennington street to Havre street.

Saratoga Street. — From Bennington street to Austin avenue.

SOUTH BOSTON.

Dorchester Avenue. — From Fort Point Channel to West Broadway.

Gold Street. — From A street to B street.

CITY PROPER.

Butler Square. — From Chatham street to Butler row.

Chambers Street. — From Auburn street to Brighton street.

Curve Street. — From Tyler street to Hudson street.

Harvard Street. — From Washington street to Hudson street.

Merrimac Street. — From Portland street to Staniford street.

North Margin Street. — From Cooper street to Thacher street.

Noyes Place. — From Salem street westerly.

Prince Street. — At corner of Salem street.

Salem Street. — From Noyes place to Prince street.

Tyler Street. — From Oak street to Curve street.

ROXBURY.

Audubon Road. — From Beacon street to Ivy street.

Comins Terrace. — From Bower street.

Dalmatia Street. — From Blue Hill avenue to Dacia street.

Fenno Street. — From Buena Vista avenue to Rockland street.

Gerard Street. — From Norfolk avenue to Massachusetts avenue.

Heath Street. — From Lawn street to Day street.

Humboldt Avenue. — From Munroe street to Townsend street.

Munroe Street. — From Humboldt avenue to Walnut avenue.

Parker Hill Avenue. — Near Sunset street.

Whiting Street. — From Moreland street westerly.

DORCHESTER.

Adams Street. — From King street to Lonsdale street.

Centre Street. — From Adams street to a point 630 feet westerly.

East Cottage Street. — From Dorchester avenue to a point near Boston street.

Glenway Street. — From Erie street to a point 300 feet southerly from Page avenue.

McLellan Street. — From Blue Hill avenue to Page avenue.

Parkway. — From Dorchester avenue to Pond street.

Pond Street. — From East Cottage street to Parkway.

Tremlett Street. — From Hooper street to a point 200 feet eastwardly.

White Street. — From Glenway street to Bicknell street.

WEST ROXBURY.

Angell Street. — From Blue Hill avenue to Canterbury street.

Corey Street. — From Montview street to Vermont avenue.

Hewlett Street. — From Centre street to Walter street.

Jamaicaway. — From Perkins street to Pond street.

Landseer Street. — From Bellevue street southerly.

Oriole Street. — From Bellevue street to Wren street.

South Street. — From Keyes street to Parkway.

Sylvia Street. — From Washington street to Forest Hills street.

Weld Street. — From Willow street to Maple street.

Wren Street. — From Oriole street to Rutledge street.

BRIGHTON.

Bigelow Street. — From Faneuil street to the bend.

Cambridge Street. — From Cambridge terrace to point south of Union square.

Cambridge Street. — From Warren street to point north of Dustin street.

Lake Street. — From Washington street to Commonwealth avenue.

Nonantum Street. — From Oak square to the Newton line.

North Beacon Street. — From Everett street to Gordon street.

Strathmore Road. — From Chestnut Hill avenue to Englewood avenue.

Sutherland Road. — From Selkirk road to Kinross road.

Tremont Street. — From Oak square to the Newton line.

Washington Street. — From Tremont street to the Newton line.

APPENDIX E.

ENGINEERING DEPARTMENT PROPERTY SCHEDULE, MAIN OFFICE.

1 horse.	9,406 Plans Engineering Works, loose.
2 carriages.	14 volumes Plans Engineering Works, bound.
1 sleigh.	Photographs of Engineering Works.
2 harnesses.	Apparatus for blue printing.
3 robes.	1 microscope.
Instruments for drawing.	1 mercurial barometer.
Instruments for surveying, as follows :	1 aneroid barometer.
1 Temple transit.	1 holosteric barometer.
5 Buff & Berger transits.	1 set hydrometers.
8 Gurley transits.	1 hygrometer.
1 Stackpole transit.	1 pair field-glasses.
2 Temple levels.	2 typewriters.
4 Buff & Berger levels.	2 dynamometers.
5 Gurley levels.	1 pentagraph.
11 Boston rods.	1 calculating-machine.
3 New York rods.	1 volt meter.
4 Troy rods.	1 comptometer.
Cases for plans and books.	2 thermophones.
Reference Library, 1,012 vol- umes.	

SURVEYING DIVISION.

3 Temple transits.	1 Ring transit.
2 Moody transits.	5 Buff & Berger levels.
2 Buff & Berger transits.	1 Moody level.
3 Stackpole transits.	2 Temple levels.
1 Troughton & Sims transit.	1 Ewing level.
1 Poole transit.	1 Gurley level.
1 Archibut transit.	7 Rods.

APPENDIX F.

Elevations referred to Boston city base. (The city base is 0.64 feet below mean low tide.)

Feet.

0.00 City base.

15.66 Highest tide, April 16, 1851.

15.33 Coping of dry dock, Charlestown Navy Yard.

12.24 Greatest elevation of high tide, per United States Tide-Tables, April 29 and November 6, 1896 ($11.6 + 0.64$) = 12.24.

8.24 Least elevation of high tide, per United States Tide-Tables, January 24 and August 3 and 4, 1896 ($7.6 + 0.64$) = 8.24.

2.84 Greatest elevation of low tide, per United States Tide-Tables, September 1, 1896 ($2.2 + 0.64$) = 2.84.

— 1.36 Least elevation of low tide, per United States Tide-Tables, November 6, 1896 ($-2.0 + 0.64$) = — 1.36.

0.64 Mean low tide.

5.00 Piles cut off for building.

9.91 Water-works base (approximate tide-marsh level).

¹—4.98 Cambridge city base.

0.38 South Boston flats base.

¹ Cambridge city base is 4.98 feet below Boston city base.

APPENDIX G.

ENGINEERING DEPARTMENT ANNUAL REPORTS, 1867-1896.

No. of Reports.	For the Year.	Year published and No. City Document.	No. of Reports.	For the Year.	Year published and No. City Document.
First	1867	1868 — 22	Eighteenth	*1884	1885 — 54
Second and Third	1868-69	1870 — 14	Nineteenth	1885	1886 — 41
Fourth	1870	1871 — 15	Twentieth	*1886	1887 — 38
Fifth and Sixth	*1871-72	1873 — 23	Twenty-first	1887	1888 — 39
Seventh	*1873	1874 — 20	Special report	1888	1888 — 117
Eighth	1874	1875 — 19	Twenty-second	1888	1889 — 38
Ninth	1875	1876 — 24	Twenty-third	1889	1890 — 39
Tenth	*1876	1877 — 15	Twenty-fourth	*1890	Executive Department Report, Document 1, Part I. 1891.
Eleventh	1877	1878 — 20			
Twelfth	*1878	1879 — 22	Twenty-fifth	1891	1892 — 11
Thirteenth	*1879	1880 — 33	Twenty-sixth	1892	1893 — 10
Fourteenth	1880	1881 — 25	Twenty-seventh	1893	1894 — 10
Fifteenth	1881	1882 — 52	Twenty-eighth	1894	1895 — 10
Sixteenth	1882	1883 — 53	Twenty-ninth	1895	1896 — 10
Seventeenth	*1883	1884 — 55			

* Out of print.

CONTENTS REPORT ENGINEERING DEPARTMENT FOR 1895.

[General index to contents Engineering Department Reports, 1867-1892, will be found in Report of February 1, 1892.]

	PAGE
A. — ENGINEERING DEPARTMENT	1
STATEMENT OF EXPENSES, Engineering Department.....	2
“ “ “ Abolishment grade crossings, Dover-	
street bridge	7
“ “ “ Improved sewerage.....	4
“ “ “ Rebuilding bridges to Watertown...	7
“ “ “ Statues — Robert G. Shaw, monu-	
ment.....	7
“ “ “ “ J. Boyle O'Reilly, monu-	
ment.....	8
BRIDGES inspected.....	8
“ wholly supported by Boston	8
“ “ “ “ railroads	29
“ of which Boston supports the part within its limits....	10
“ “ “ pays a part of the cost of maintenance,	11
“ supported by railroad corporations	11
“ “ “ “ Boston & Albany R.R.,	11
“ “ “ “ Boston & Maine R.R.,	
W. Div.....	11
“ “ “ “ Boston & Maine R.R.,	
East. Div.....	11
“ “ “ “ Boston, Revere Beach,	
& Lynn R.R.....	11
“ “ “ “ New England R.R....	11
“ “ “ “ N.Y., N.H., & H. R.R.,	
Old Colony Div. ...	12
“ “ “ “ N.Y., N.H., & H. R.R.,	
Prov. Div.....	12
“ Total number (126).....	12
BRIDGES	12
Agassiz road, Back-bay fens	12
Albany street, over B. & A. R.R.....	13
Allston, over B. & A. R.R.	13
Arborway, over Stony brook, Parkway	13
Ashland street, over Prov. Div. N.Y., N.H., & H. R.R.	13
Athens street, over N.E. R.R.	13
Audubon road, over B. & A. R.R.....	13
Beacon street, over outlet to Back-bay fens	13
Beacon street, over B. & A. R.R.	13
Bellevue street, over Muddy river, Parkway	14
Bernier-street foot-bridge, over Bridle path, Riverway.....	14
Bernier-street foot-bridge, over Muddy river	14
Berkeley street, B. & A. R.R.	14
Berkeley street, Prov. Div. N.Y., N.H., & H. R.R.....	14
Berwick-park foot-bridge, over Prov. Div. N.Y., N.H., & H.	
R.R.	15
Blackmore street, over Prov. Div. N.Y., N.H., & H. R.R....	15
Bolton street, N.E. R.R.	15
Boylston street, Back-bay fens.....	15
Boylston street, B. & A. R.R.....	15

BRIDGES, *continued.*

	PAGE
Bridle path, over Muddy river, in Riverway	15
Broadway, over Fort-point channel	15
Broadway, over B. & A. R.R.	16
Brookline avenue, over B. & A. R.R.	16
Brookline avenue, over Muddy river, in Parkway	16
Byron street, B., R.B., & L. R.R.	17
Cambridge street	17
Canal or Craigie's	17
Castle-Island foot-bridge	17
Central avenue, over Neponset river	18
Charles river	18
Charlesgate, Back-bay fens	18
Chelsea, over B. & M. R.R.	18
Chelsea (North)	18
Chelsea (South)	19
Chelsea street	19
Circuit drive, over Scarboro pond, in Franklin Park	19
Columbus avenue, over B. & A. R.R.	19
Commercial Point, or Tenean	19
Commonwealth avenue, Back-bay fens	20
Congress street	20
Cornwall street, over Stony brook	20
Cottage-street foot-bridge	20
Cottage Farm, over B. & A. R.R.	20
Dartmouth street, over B. & A. R.R., and Prov. Div. N.Y., N.H., & H. R.R.	21
Dorchester street, over Old Colony Div. N.Y., N.H., & H. R.R.	21
Dover street	21
Ellicott arch, in Franklin Park	21
Essex street	21
Everett street, over B. & A. R.R.	21
Federal street	22
Fen bridge, Back-bay fens	22
Ferdinand street, over B. & A. R.R.	22
Forest Hills entrance, in Franklin Park	22
Gold-street foot-bridge, over N.E. R.R.	22
Granite to Milton	22
Harvard to Cambridge	22
Huntington avenue, over B. & A. R.R.	23
Irvington-street foot-bridge, over Prov. Div. N.Y., N.H., & H. R.R.	23
L-street bridge	23
Leverett pond, foot-bridge in Leverett Park	23
Leyden street, B., R.B., & L. R.R.	23
Linden-park street, over Stony brook	23
Longwood avenue	24
Malden	24
Massachusetts avenue, over Prov. Div. N.Y., N.H., & H. R.R.	24
Massachusetts avenue, over B. & A. R.R.	24
Mattapan	24
Meridian street	24
Milton	25
Mt. Washington avenue	25
Neponset	25
Neptune road, over B., R.B., & L. R.R.	25
Newton street, over Prov. Div. N.Y., N.H., & H. R.R.	25
North Beacon street	26
North Harvard street	26
Prison Point	26
Public Garden foot-bridge	26
Roxbury crossing foot-bridge	26

BRIDGES, <i>continued</i> .	PAGE
Scarboro pond, foot-bridge in Franklin Park	26
Shawmut avenue, over B. & A. R.R.	27
Spring street	27
Stony brook, Back-bay fens	27
Swett-street bridges (over south-bay sluices)	27
Tremont street, over Muddy river	27
Warren	27
Western avenue to Cambridge	28
Western avenue to Watertown	29
West Boston	28
West Chester Park. (See Massachusetts avenue.)	
West Fourth street (over O.C. Div. N.Y., N.H., & H. R.R.),	28
West Rutland-square foot-bridge, over Prov. Div. N.Y.,	
N.H., & H. R.R.	28
Winthrop	29
SURVEYING DIVISION:	
Tables, showing amount paving work measured for the years	
1894-1895	32
Lines and grades given, and paving work measured, 1895:	
East Boston and Breed's Island	33
Charlestown	35
South Boston	35
Boston Proper	36
Roxbury	40
Dorchester	48
Brighton	51
West Roxbury	52
Plans	54
MISCELLANEOUS WORK AND CONSTRUCTION IN 1895:	
Charles-river bridge	145
Chelsea bridge, Charlestown to Chelsea	145
Chelsea-street bridge	146
Cottage-Farm bridge	147
City Hospital Grounds	147
East Boston Ferries:	
Middle pier, North Ferry	148
New drop, South Ferry	148
Gold-street bridge	147
Highland park	148
Miscellaneous	149
Roxbury crossing, temporary foot-bridge	148
West Newton street, bulkhead	149
B. — WATER WORKS.	59
Aqueducts and distributing reservoirs	65
Consumption	72
Corrosion of pipes by electrolysis, report of Stone & Webster,	74
Distribution	75
Farm pond	63-64
High-service pumping-stations	65
Lake Cochituate	63-64
Mystic lake	68
Mystic-valley sewer	69
Mystic conduit and reservoir	69
Mystic pumping-station	69
Reservoir No. 1	59, 64
“ “ 2	60, 64
“ “ 3	60, 64
“ “ 4	60, 64
“ “ 5	61
“ “ 6	62, 64
Sources of supply	59
Table, showing daily average consumption of water in gal-	
lons from the Cochituate and Mystic works	78
Table showing diversion of Sudbury-river water, 1887-95...	79

B. — WATER WORKS, *continued*.

PAGE

Table showing amount of water diverted from Sudbury river to Lake Cochituate and Chestnut-hill reservoir; amount wasted; amount of flow in river; percentage of rainfall collected, etc., 1875-1895	83
" " amount of water drawn from Mystic lake; amount wasted; amount of rainfall collected in lake; percentage of rainfall collected, etc., 1876-1895; water-shed of lake, 17,200 acres.....	85
" " amount of water drawn from Lake Cochituate; amount wasted; amount of rainfall collected in lake; amount received into lake from Sudbury river; percentage of rainfall collected, etc., 1852-1895; watershed of lake, 12,077 acres.....	80
" " the average monthly and yearly heights in feet above tide-marsh level to which water would rise at different stations on the Boston Water Works.....	86
" " operations at the Chestnut-hill pumping-station for 1895.....	87
" " operations and work done at the Mystic pumping-station for 1895.....	89
" " work done at the Mystic sewage pumping-station during the year 1895.....	92
" " operations at West Roxbury pumping-station for 1895.....	91
" " operations at East Boston pumping-station for 1895.....	90
" " rainfall in inches and hundredths on the Sudbury-river water-shed for the year 1895..	93
" " rainfall in inches and hundredths at Lake Cochituate for the year 1895.....	94
" " rainfall in inches and hundredths on the Mystic-lake water-shed for the year 1895..	95
" " monthly rainfall in inches during 1895 at various places in Eastern Massachusetts..	96
" " the temperature of air and water at various stations on the Water Works.....	97
" " rainfall in inches on Cochituate water-shed, 1863-1895	98
" " rainfall collected in inches on Cochituate water-shed, 1863-1895.....	100
" " rainfall, percentage collected on Cochituate water-shed, 1863-1895.....	102
" " rainfall in inches on Sudbury-river water shed, 1875-1895.....	104
" " rainfall collected in inches on Sudbury-river water-shed, 1875-1895.....	105
" " rainfall, percentage collected on Sudbury-river water-shed, 1875-1895.....	106
" " rainfall in inches on Mystic water-shed, 1878-1895	107
" " rainfall collected in inches on Mystic water-shed, 1878-1895.....	108
" " rainfall, percentage collected on Mystic water-shed, 1878-1895.....	109
" " yield of Sudbury-river water-shed, 1875-1895, area of water-shed used, include water surfaces.....	110
General statistics, 1892, '93, '94, '95	77
Whitehall pond.....	63, 64, 73
Summary of statistics, report for 1895	112

	PAGE
C. — IMPROVED SEWERAGE, OR MAIN DRAINAGE	114
Appropriations and expenditures	114
Dorchester:	
Sections 9, 11	114
Neponset intercepting sewer	115
D. — PARKS	117
Arborway	119
Arboretum	119
Charlesbank	125
Men's Gymnasium	125
Women's Gymnasium and Girl's Playground	125
Charlestown Heights	124
Charlestown Playground	125
Commonwealth avenue	117
Dorchester Park	122
Dorchesterway	122
Fens	118
Franklin Park	120
Ellicottdale and Cottage	121
Forest Hills entrance	120
Overlook Building	121
Refectory	120
Seaver street	120
Water supply	120
Franklin Field	122
Jamaica Park	119
Boating service	119
Refectory	119
Miscellaneous	119
Leverett Park	118
Walks	118
Miscellaneous	118
Walls and fences	118
Marine Park	123
Filling	123
Head-house	123
Iron pier	123
North End Public Park	123
Riverway	118
Drives, rides, walks	118
Wall	118
Strandway	122
Skating	126
West Roxbury Parkway	119
Wood-Island Park	123
E. — STREET DEPARTMENT	129
Blue Hill avenue	129
Brighton avenue	132
Columbus-avenue extension	130
Commonwealth-avenue extension	132
Huntington avenue	131
Ash street, Oak to Nassau street	134
Barton street, Leverett to Milton street	134
Billerica street, Causeway to Minot street	134
Bond street, Hanson to Milford street	134
Brimmer street, Beacon to Pinckney street	134
Chambers street, Brighton to Charles street	134
Charles street (easterly side), Pinckney to Cambridge street	135
Charter street, Unity street to Jackson avenue	135
Columbus avenue, Park square to beyond Ferdinand street	135
Devonshire street, Franklin to Milk street	135
Edinboro' street, Essex to Beach street	136
Fabin street, Newland to Ivanhoe street	136
Harrison avenue (westerly side), E. Newton to E. Spring- field street	136

E. — STREET DEPARTMENT, <i>continued.</i>		PAGE
Henchman street, Charter to Commercial street.....		136
Lancaster street, Causeway to Merrimac street		136
Massachusetts avenue (southerly side), Washington to Albany street.....		136
Merchants Row, State to North street.....		137
North Margin street, Thacher to Stillman street		137
Otis street, Summer street to Winthrop square		137
Oxford street, Beach to Essex street.....		137
Pinckney street, Charles, through Brimmer street.....		137
Prince street, Hanover to Bennet avenue.....		137
Spring street, Poplar to Leverett street		137
Summer street (northerly side), Washington to Federal street,		138
Tileston street, Salem to Wiggin street		138
Warren street (Charlestown). Winthrop to Soley street		138
West street, Tremont to Washington street.....		138
Whitmore street, Kneeland to Harvard street.....		138
Grading street-railway tracks		140
West End.....		140
Norfolk Suburban		141
Lynn & Boston		141
New streets		138
Boylston street.....		139
Harvard avenue		139
Ivy street		139
Kenmore street.....		139
Norway street		139
Parker street.....		139
St. Germain street.....		140
Sherborn street.....		140
Surveys, plans and estimates, miscellaneous streets.....		141
Work done by Surveying Division		143
CITY ENGINEERS, 1850-1895.....		151

ILLUSTRATIONS.

Plan of Boston Proper, showing changes in street and wharf lines, 1795 to 1895.....	58
Park Department: Table showing principal items of work completed on the several parks to January 31, 1896.....	128
Water-works: Diagrams showing rainfall and daily average consumption for each month.....	78
Water-works: Diagrams showing the heights of Sudbury-river reservoirs, Farm pond, Cochituate and Mystic lakes, and the rainfall on the Sudbury-river water-shed during the year 1895.....	64

APPENDICES.

APPENDIX A. Showing width of draw-openings.....	152
B. Table of accident and other plans made for Law Department, 1895.....	154
C. Table showing surveys, plans and profiles, made by Surveying Department, from February 1 to July 1, 1895	157
D. Table of plans for sidewalk assessments, made for Paving Division of Street Department, from July 1, 1895, to February 1, 1896.....	164
E. Engineering Department, property schedule, main office	167
F. Elevations referred to Boston city base	168
G. List of Engineering Department Reports, 1867-1895 ..	169

ANNUAL REPORT
OF THE
FIRE DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 11 — 1896.]

OFFICE OF THE FIRE COMMISSIONER,
BRISTOL STREET, BOSTON, February 27, 1896.

His Honor JOSIAH QUINCY, Mayor:

SIR: Respectfully submitting the statistics of this department for 1895, I beg to call your attention to the favorable showing made by the figures of losses and insurance. But good fortune in the immediate past furnishes no ground for hoping that the millennium has come; for as long as we have much faulty construction still allowed by law, with large floor areas, and the possibility of securing alarms only after fires have gained good headway, we may at any time expect a conflagration in spite of all the earnest efforts of the department. The reduced cost of some materials and curtailment of expenses at headquarters have enabled us to make such repairs on engine-houses as the health and comfort of the men and protection of the property absolutely required; and now the houses are in fair working order with the exception of Ladder-House 13, on Washington street, near Dover, and Engine-House 30, on Mt. Vernon street, West Roxbury, both of which are not worth repairing, having been condemned by the Building Commissioner; and I strongly recommend that means be provided for new houses for these two (2) companies. Some years ago land was bought at Grove Hall for a ladder truck, and now lies unoccupied, though the necessity has not been removed; and the proper protection of that locality strongly calls for the completion of the plan to furnish the people there with adequate apparatus. There are thirty-two thousand (32,000) dollars remaining from a larger sum provided some time since for land and house for an engine company to be placed at the North End, and I earnestly recommend that said \$32,000, with \$18,000 additional, be devoted to a system of underground pipes to carry salt water from our harbor to the more congested parts of

the city in accordance with the plan made by the City Engineer, the adoption of which I have already strongly recommended. A veterinary hospital and training school is much needed, as at present the quarters hired on Nawn street, Roxbury, at \$720 per annum, for the use of sick and disabled horses, are entirely inadequate and unfit for the purpose. At one time land was secured on Swett street, and plans made for a suitable hospital, and I beg to have the matter taken up and carried to a successful solution in accordance with original plans calling for twelve thousand (12,000) dollars.

There are many localities where the recent growth of population justifies, in the minds of the inhabitants, an appeal for increased fire protection; but I think the present apparatus adjacent to such localities sufficient to prevent any serious fire, and I do not believe the interests of the city call for any extended addition to the present force; but I do strongly recommend such strengthening of the present department as I have already suggested; for, with these additions and improvements, we will, I think, be justified in hoping for continued good fortune if citizens will do their part by giving us promptly the first alarm; and in my opinion the interests of all call for perfection of the present force rather than for more extension.

TABLE NO. 1.

MONTHS.	ALARMS RECEIVED.						LOSS.		INSURANCE.		ALARMS.				Extended to Others.	No Fire.	BUILDINGS.				Out of City.	Wharf, Vessel, Coal-pile, Cars, Boulders, Rub-ble, etc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	FROM WHOM.						Buildings.	Contents.	Buildings.	Contents.	TELEGRAPH.						No Damage.	Slight Damage.	Considerable D'ge.	Totally Destroyed.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Fire patrol.	Members.	Police.	Citizens.	Automatic.	Unknown.					Total.	Kite.	False.	Needless.									STILL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
February	5	13	20	125	6		169	\$45,503	\$21,777	\$1,647,552	\$559,550	72		6	91	133	2	18	50	77	8	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

TABLE NO. 2.

*Showing the different Causes of Fires and Alarms, from
February 1, 1895, to February 1, 1896.*

Alarms, accidental, automatic	32
" needless	114
" false	22
" out-of-town	12
Ashes, hot, in wooden receptacle	34
Boiling over of tar or fat	21
Bonfires, grass, rubbish, etc.	339
Careless use of lamps, candles, etc.	34
" " " fire	6
" " " pipe or cigars	32
Chimneys, soot burning	59
" defective	20
Clothes too near stove	8
Defective flue	35
" stove-pipe	6
" grate	2
" furnace	4
Electric motor igniting car	30
" wires	52
Explosion and igniting of chemicals	11
Fireworks	45
Friction	3
Fumigating	4
Gas, explosion of	5
" ignition of leaky pipes	11
" jet setting fire	62
" stove, careless use of and explosion	24
Incendiary	28
" supposed	19
Kerosene lamp, explosion or breaking	92
" " upsetting	42
" stove, careless use of and explosion	59
Light mistaken for fire	24
Lightning	2
Matches and rats	34
" careless use of	73
" children playing with	48
Naphtha, careless use of and ignition	20
Overheated stove	26
" steam-pipe or boiler	11
Rekindling of ruins of previous fire	1
Slacking of lime	8

FIRE DEPARTMENT.

5

Smoky chimney	29
“ furnace or stove	21
Sparks from another fire	6
“ “ furnace or stove	16
“ “ chimney	34
“ “ locomotive	24
“ “ forge	7
Spontaneous combustion	68
Steam escaping	6
Unknown	241
Water-pipes, thawing out	39
Wood in oven igniting	4
Total	2,009

Total number of actual fires	1,675
Confined to one building	1,285
Extended to others	39
Wharves, vessels, grass, etc.	339
Out of the city	12

BUILDINGS.

Slightly damaged	736
Considerably damaged	70
Totally destroyed	27
Not damaged	560

Fire Commissioner Henry S. Russell was appointed January 21, 1895. Present term expires May, 1898. Salary, \$5,000.

Benjamin F. Underhill, Jr., Clerk, appointed by the Fire Commissioner. Salary, \$2,400.

CHIEF OF DEPARTMENT.

LEWIS P. WEBBER, Headquarters, Bristol street.

First Assistant Chief, JOHN W. REGAN, Headquarters, Engine-house 26, Mason street.

Second Assistant Chief and Chief of District No. 4, WM. T. CHESWELL, Headquarters, Engine-house 4, Bulfinch street.

District Chiefs.

Peter F. McDonough, Headquarters,	Ladder-house 2.
C. H. W. Pope, “	“ 9.
John F. Egan, “	“ 8.
John F. Ryan, “	Engine-house 26.

John A. Mullen,	Headquarters,	Engine-house 1.
Patrick E. Keyes,	"	" 3.
John Grady,	"	" 13.
Edward H. Sawyer,	"	Ladder-house 4.
Williston A. Gaylord,	"	Engine-house 18.
Nathan L. Hussey,	"	" 41.
Lewis P. Abbott,	"	" 28.

CLERKS.

Wm. E. Delano, M. J. Lafferty, Geo. F. Murphy, James
P. Maloney.
D. J. Quinn, *Messenger*.

FORCE AND PAY-ROLL.

Chief of Department . . .	\$3,500	per annum.
First Assistant Chief . . .	2,400	"
Second Assistant Chief . . .	2,200	"
11 District Chiefs . . .	2,000	"
Superintendent of Repair-shop . . .	2,000	"
Second Assistant Superintendent of Repair-shop . . .	1,300	"
Veterinary Surgeon . . .	1,800	"
2 Clerks . . .	1,000	"
1 Clerk . . .	900	"
1 Clerk . . .	600	"
1 Messenger . . .	1,000	"
1 detailed man as Clerk, Apparatus Repair-shop . . .	1,000	"
51 Captains . . .	1,600	"
41 Lieutenants . . .	1,400	"
45 Engine-men . . .	1,300	"
305 Permanent Men . . .	1,200	"
50 " " . . .	1,000	"
48 " " . . .	1,000	"
1 Permanent Man . . .	912.50	"
31 Call Men . . .	250	"
36 " " . . .	200	"
36 " " . . .	175	"
40 Permanent Substitutes . . .	900	"
15 " " . . .	720	"
3 Call Captains . . .	325	"
1 Hostler . . .	624	"
2 Watchmen . . .	1,000	"
1 Driver for Chief of Department . . .	1.95	per day.
12 Drivers for District Chiefs . . .	1.75	"

FIRE DISTRICTS.

The city is divided into twelve fire districts, as follows:

District 1.

All that part of Boston known as East Boston.

District 2.

All that part of Boston formerly known as Charlestown.

District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington and Charlestown streets.

District 4.

The territory bounded on the north by the Charles river, on the east by Charlestown and Washington streets, on the south by Winter, Park, and Beacon streets, and on the west by the Charles river and Berkeley street.

District 5.

The territory bounded on the north by Beacon, Park, Winter, and Summer streets, on the east by Fort Point channel, on the south and west by Broadway, Way, Motte, Castle, Ferdinand streets, Columbus avenue, and Berkeley street.

District 6.

All that part of Boston known as South Boston, and running south as far as Dorset and Locust streets.

District 7.

The territory bounded on the north by Berkeley street, Columbus avenue, Ferdinand, Castle, Motte, and Way streets, and Broadway, on the east by Fort Point channel and South bay, on the south by Massachusetts avenue, and on the west by the Charles river.

District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by the old boundary line between Roxbury and

West Roxbury, and on the west by the Brookline line, Beacon and Deerfield streets.

District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Freeport, Hancock, Bowdoin, Olney, and Columbia streets, and on the west by Blue Hill avenue, Seaver and Washington streets.

District 10.

That part of Dorchester bounded on the north by Columbia, Olney, Bowdoin, Hancock, and Freeport streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Back street and Blue Hill avenue.

District 11.

All that part of Boston known as Brighton, and extending east as far as Deerfield and Beacon streets.

District 12.

All that part of Boston known as West Roxbury, bounded on the north by the old boundary line between Roxbury and West Roxbury and Seaver street, on the east by Blue Hill avenue and Back street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries, the centre of the street will be the dividing line.

ASSIGNMENT OF DISTRICTS.

Each district is placed under the charge of a District Chief, as follows:

District.	Chief in Command.	COMPANIES IN DISTRICT.					
		Engines.	Chemical Engines.	Hook and Ladder.	Hose.	Combination Wagons.	Water Towers.
1	Peter F. McDonough . .	5, 9, 11, 40	7	*2			
2	C. H. W. Pope	27, 32, 36	9	*9	8		
3	John F. Egan	8, 25, 31		*8, 14			
4	Wm. T. Cheswell	*4, 6, 10	1, 11	1	. . . .		1
5	John F. Ryan	7, *26, 35	2	17			
6	John A. Mullen	*1, 2, 15, 38, 39, 43	8	5	. . .	2	
7	Patrick E. Keyes	*3, 22, 33	4	3, 13, 15	. . . .		2
8	John Grady	*13, 14, 37	5	12	7		
9	Edward H. Sawyer . . .	12, 21, 23, 24	10	*4			
10	Williston A. Gaylord . .	16, 17, *18, 19, 20		6, 7	. . .	1	
11	Nathan L. Hussey	29, 34, *41	6	11			
12	Lewis P. Abbott	*28, 30, 42, 45	5	10, 16			

* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Dorchester street	5,098	
2 . . .	Cor. of O and Fourth streets .	4,000	
3 . . .	Bristol st. and Harrison ave. .	4,000	Ladder No. 3 in this building.
4 . . .	Bulfinch street	6,098	Chemical Engine No. 1, Lancers' Armory, and water-tower in this building.
5 . . .	Marion street, E.B.	1,647	
6 . . .	Leverett street	2,327	
7 . . .	East street	1,893	
8 . . .	Salem street	2,568	
9 . . .	Paris street, E.B.	4,000	Ladder No. 2 in this building.
10 . . .	River street	1,886	
11 . . .	Saratoga and Byron streets . .	10,000	
12 . . .	Dudley street	7,161	
13 . . .	Cabot street	4,305	
14 . . .	Centre street	5,627	
15 . . .	Dorchester avenue	2,843	
16 . . .	River street, Dorchester Dist.,	12,736	Ladder No. 6 in this building.
17 . . .	Meeting-house Hill, Dorches- ter Dist.	9,450	Ladder-house No. 7 on this lot.
18 . . .	Harvard street, Dor. Dist. . .	10,225	
19 . . .	Norfolk street, "	7,683	
20 . . .	Walnut street, "	9,000	
21 . . .	Boston street, "	9,355	
22 . . .	Dartmouth street	4,463	
23 . . .	Northampton street	3,445	
24 . . .	Cor. Warren and Quincy sts. .	4,186	
25 . . .	Fort Hill square	4,176	Ladder No. 8 and Ladder No. 14 in this building.
26 . . .	Mason street	6,385	Engine No. 35 in this buildin.
27 . . .	Elm street, Charlestown Dist.,	2,600	
28 . . .	Centre street, W. Roxbury District	10,377	Ladder No. 10 in this building.
29 . . .	Chestnut Hill ave., Brighton District	14,356	Ladder No. 11 in this building.
30 . . .	Mt. Vernon street, W. Rox- bury District	16,275	
32 . . .	Bunker Hill street	8,000	
33 . . .	Cor. Boylston and Hereford streets	5,646	Ladder No. 15 in this building.

ENGINE-HOUSES. — *Concluded.*

	Location.	No. of feet in lot.	Remarks.
No. 34 . . .	Western ave., Brighton . . .	4,637	
36 . . .	Monument street	5,668	
37 . . .	Cor. Longwood and Brookline avenues	5,400	Chem. Eng. 3 in this building.
38-39 . .	Congress street	4,000	
40 . . .	Sumner st., East Boston . . .	4,010	
41 . . .	Harvard ave., near Cambridge street, Brighton District . .	6,112	Chem. Eng. 6 in this building.
42 . . .	Washington street, between Atherton and Beethoven . .	3,848	Chem. Eng. 5 in this building.
43 . . .	Andrew square	5,225	
45 . . .	Poplar st., cor. Washington, W. Roxbury	14,729	Ladder No. 16 in this building.
CHEMICAL-ENGINE HOUSES.			
1 . . .	Bulfinch street		See Engine-house 4.
2 . . .	Church street	3,412	
3 . . .	Cor. Longwood and Brookline avenues		See Engine-house 37.
4 . . .	Shawmut avenue	889	
5 . . .	Washington street, between Atherton and Beethoven . .		See Engine No. 42.
6 . . .	Harvard ave., near Cambridge street, Brighton District . .		See Engine No. 41.
7 . . .	Chelsea street, East Boston . .	1,346	
8 . . .	B street	1,804	
9 . . .	Main street		See Ladder-house 9.
10 . . .	Eustis street	700	
11 . . .	North Grove street	3,918	

HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3 . . .	Winthrop street	5,230	
7 . . .	Culvert street		On leased land.

COMBINATION-WAGON HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Dorchester avenue, Ashmont .	4,875	
2 . . .	Fourth street	3,101	

HOOK-AND-LADDER HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Friend street	1,676	
2 . . .	Paris street, East Boston		See Engine-house 9.
3 . . .	Harrison avenue		See Engine 3.
4 . . .	Dudley street	3,923	
5 . . .	Fourth street	2,469	
6 . . .	River street, Dorchester		See Engine-house 16.
7 . . .	Meeting-house Hill		See Engine 17.
8 . . .	Fort Hill square		See Engine Co. 25.
9 . . .	Main street, Charlestown	2,430	Chemical 9 in this building.
10 . . .	Centre street, W.R.		See Engine-house 28.
11 . . .	Chestnut Hill ave., Brighton District		See Engine-house 29.
12 . . .	Culvert street		On leased land.
13 . . .	Washington, near Dover street,	1,007	
14 . . .	Fort Hill square		See Engine-house 25.
15 . . .	Boylston, cor. Hereford street,		Engine 33 in this building.
16 . . .	Roslindale		See Engine 45.
17 . . .	Harrison avenue	2,250	

Fuel-house, Salem street, 417 feet of land.

Fuel-house, Main street, Charlestown, 1,592 feet of land.

Headquarters Building and Repair-shop, corner of Albany and Bristol streets, 20,547 feet.

Water Tower No. 2 and wrecking wagon are in Headquarters Building.

4,350 feet of land on Tremont street on which quarters are now building for Ladder 12 and Hose 7.

5,624 feet of land on Washington street, Dorchester, purchased as a site for a ladder-house.

STEAM FIRE-ENGINE COMPANIES.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Amount of Water delivered at 300 revolutions per minute.
1	Dorchester, near Fourth, S.B. . .	Amoskeag Mfg. Co.	Sept. 17, 1872	7½	4½	8	630 gallons.
2	Fourth, cor. O, S.B.	Manchester Loco. Works. .	Nov., 1890	6½	4	8	496 gallons.
3	Harrison ave., cor. Bristol. . . .	Clapp & Jones Mfg. Co. . .	Aug. 22, 1890	9	5½	8	961 gallons.
4	Bulfinch st.	American Fire Eng. Co. . .	Feb. 22, 1893	9	5½	8	961 gallons.
5	Marion st., E.B.	Amoskeag Mfg. Co.	Nov., 1869	7½	4½	8	593 gallons.
6	Leverett st.	Silby Mfg. Co.	April, 1890	.....	Rotary.	.....	700 gallons.
7	East st.	American Fire Eng. Co. . .	June, 1895	9	5½	8	961 gallons.
8	Salem st.	Freeman & Jacket.	April 26, 1869	7½	4½	8	630 gallons.
9	Paris st., E.B.	Hunneman & Co.	Oct. 14, 1872	7½	4½	8	630 gallons.
10	Mount Vernon, cor. River st. . . .	Manchester Loco. Works. .	March 1, 1882	6½	4½	8	561 gallons.
11	Saratoga, cor. Byron st., E.B. . . .	Amoskeag Mfg. Co.	April 9, 1873	6½	4½	8	527 gallons.
12	Dudley st.	Manchester Loco. Works. .	March 27, 1882	6½	4½	8	561 gallons.
13	Cabot st.	Clapp & Jones Mfg. Co. . .	April 1, 1890	8½	5	7	691 gallons.
14	Centre st.	Amoskeag Mfg. Co.	Sept. 17, 1870	7½	4½	8	593 gallons.
15	Dorchester ave. and Broadway. . .	American Fire Eng. Co. . .	Feb., 1893	9	5½	8	961 gallons.
16	Temple st., Dorchester.	Silby Mfg. Co. . . . .	.....	.....	Rotary.	.....	700 gallons.
17	Meeting-House Hill, Dorchester. .	Amoskeag Mfg. Co.	Sept. 1, 1870	7½	4½	8	593 gallons.
18	Harvard st., Dorchester	Manchester Loco. Works. .	Nov., 1890	6½	4	8	496 gallons.
19	Norfolk st., Dorchester.	Clapp & Jones Mfg. Co. . .	Dec. 5, 1891	7	4½	7	524 gallons.
20	Walnut st., Dorchester.	Manchester Loco. Works. .	Nov., 1890	6½	4	8	496 gallons.
21	Boston st., Dorchester	Clapp & Jones Mfg. Co. . .	Dec. 10, 1893	7	4½	7	524 gallons.
22	Dartmouth st.	Silby Mfg. Co.	Aug. 7, 1882	.....	Rotary.	.....	700 gallons.
23	Northampton st.	Silby Mfg. Co.	Sept. 12, 1890	.....	Rotary.	.....	700 gallons.
24	Warren, cor. Quincy st.	Clapp & Jones Mfg. Co. . .	Feb. 24, 1885	7	4½	7	524 gallons.

STEAM FIRE-ENGINE COMPANIES. — Continued.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Amount of Water delivered at 309 revolutions per minute.
25	Fort Hill sq.	Clapp & Jones Mfg. Co.	Nov., 1890	9	5½	8	Double. 961 gallons.
26	Mason st.	La France Fire Eng. Co.	June, 1895	8½	5½	9	Double. 935 gallons.
27	Elm st., Charlestown.	Amoskeag Mfg. Co.	July 1, 1872	7½	4½	8	Double. 630 gallons.
28	Centre st., W. Roxbury	Silsby Mfg. Co. ....	.....	.....	Rotary.	.....	..... 700 gallons.
29	Chestnut Hill ave., Brighton.	Hunneman & Co.	Jan. 1, 1874	7½	4½	8	Double. 599 gallons.
30	Mount Vernon st., W. Roxbury ..	Clapp & Jones Mfg. Co.	Oct. 9, 1891	7	4½	7	Double. 524 gallons.
31	(Out of service) Fire-boat.	Clapp & Jones Mfg. Co.	July 3, 1889	16	9	10	2 sets of pumps 4,790 gallons.*
32	Bunker Hill st., Charlestown	Manchester Loco. Works..	March 28, 1884	6½	4½	8	Double. 561 gallons.
33	Boylston st.	Silsby Mfg. Co.	Feb. 20, 1888	.....	Rotary.	.....	..... 700 gallons.
34	Western ave., Brighton	Hunneman & Co.	Jan. 12, 1871	7½	4½	8	Double. 581 gallons.
35	Mason st.	Clapp & Jones Mfg. Co.	Aug. 9, 1890	9	5½	8	Double. 961 gallons.
36	Monument st., Charlestown.	Manchester Loco. Works..	Dec., 1890	6½	4	8	Double. 496 gallons.
37	Longwood ave.	Amoskeag Mfg. Co.	July 1, 1867	7½	4½	8	Double. 593 gallons.
38	Congress st., S.B.	Clapp & Jones Mfg. Co.	Nov., 1890	9	5½	8	Double. 961 gallons.
39	Congress st., S.B.	Clapp & Jones Mfg. Co.	April 1, 1890	8½	5	7	Double. 691 gallons.
40	Sumner st., E.B.	Silsby Mfg. Co. ....	.....	.....	Rotary.	.....	..... 700 gallons.
41	Harvard ave., Brighton	Clapp & Jones Mfg. Co.	Feb., 1893	7	4½	7	Double. 524 gallons.
42	Egleston sq., W. Roxbury.	Silsby Mfg. Co.	Feb., 1893	.....	Rotary.	.....	..... 550 gallons.
43	Andrew sq., S.B.	Clapp & Jones Mfg. Co.	March 3, 1893	7	4½	7	Double. 524 gallons.
44	India wharf (Fire-boat)	American Fire Eng. Co.	Aug., 1895	12½ H. P. 18 L. P.	10	10	2 sets of pumps 6,520 gallons.*
45	Poplar st., W. Roxbury	American Fire Eng. Co.	Jan., 1895	7	4½	7	Double. 524 gallons.

* At 225 revolutions per minute.

In Reserve.

A	Old 15	Amoskeag Mfg. Co.....	Dec.,	1869	7½	4½	8	Double.	630 gallons.
B	Old 10	Amoskeag Mfg. Co.....	Feb.,	1870	7½	4½	8	Double.	593 gallons.
C	Old 39	Manchester Loco. Works..	Dec.,	1879	6½	4½	8	Double.	561 gallons.
D	Old 4 (Crane neck)	Manchester Loco. Works..	May,	1886	6½	4½	8	Double.	561 gallons.
E	Old 4 (Straight frame)	Amoskeag Mfg. Co.....	Nov.,	1867	7½	4½	8	Double.	630 gallons.
F	Old 25	Silby Mfg. Co.....	July,	1884	.....	Rotary.	.....	.....	700 gallons.

Engine 31, "Old Fire-boat," is now out of service at Brook's wharf, East Boston, waiting for funds to repair, equip, and maintain.

HOOK-AND-LADDER COMPANIES.

Number.	Location.	Builders.	Put in Service.	Weight as drawn to Fires.	Number of Ladders.
1.....	Warren square.....	Abbott-Downing Co.....	December 20, 1890.	<i>Lbs.</i> 8,800	12
2.....	Paris st., E.B.....	".....	April 20, 1891.	9,805	12
3.....	Harrison ave., cor. Bristol st.....	".....	June 2, 1886.	9,535	22
4.....	Dudley street, Highland District..	La France Fire-Engine Co., Elmira, N.Y.....	April 25, 1884.	8,865	Hayes Extension.
5.....	Fourth street, near Dorchester...	Hunneman & Co.....	March 3, 1870.	6,050	17
6.....	Temple street, Dorchester.....	".....	August 18, 1873.	6,043	19
7.....	Meeting-house Hill.....	Freeman and Jucket.....	January, 1869.	6,560	14
8.....	Fort Hill square.....	Abbott & Downing.....	January 30, 1890.	9,535	14
9.....	Main street, Charlestown.....	Leverich & Co., N.Y.....	October 6, 1872.	5,820	19
10.....	Centre street, Jamaica Plain.....	Hunneman & Co.....	December 21, 1870.	5,400	12
11.....	Chestnut Hill avenue, Brighton...	".....	April 13, 1872.	8,065	14
12.....	Culvert street, Highland District..	Ryan Bros.....	July 31, 1880.	6,850	15
13.....	Washington street, near Dover...	La France Fire-Engine Co., Elmira, N.Y.....	March 12, 1890.	6,800	Hayes Extension.
14.....	Fort Hill square.....	Fire Extinguisher Manufacturing Co., Chicago.....	January 30, 1893.	10,000	Extension.
15.....	Boylston street.....	Fire Extinguisher Manufacturing Co., Chicago.....	April 28, 1888.	10,600	Extension.
16.....	Roslindale.....	Repair-shop.....	September, 1888.	5,400	15
17.....	Harrison avenue.....	Preston Co., Chicago.....	April 29, 1891.	11,975	Extension. 87 feet.

HOOK-AND-LADDER TRUCKS. — In Reserve.

Description.	Builders.	Weight as drawn to Fire.
Relief C, formerly old No. 2.		
Relief A, old 3.....	Hunneman & Co.....	<i>Lbs.</i> 8,373
" B, old 8.....	Repair-shop.....	
Aerial Ladder.....	Aerial Ladder Co.....	6,000
One new.....	Abbott Downing Co.....	9,535
Old Ladder 11.....	Hunneman & Co.....	8,065

WATER TOWERS.

Number.	Location.	Builders.	Put in Service.	Weight as drawn to Fire.
1.....	Bulfinch street.....			<i>Lbs.</i> 10,000
2.....	Bristol street.....			10,000
		Kansas City Fire Dept. Supply Co...	May 17, 1890.	
		Kansas City Fire Dept. Supply Co...	Dec. 18, 1893.	

NEW APPARATUS PURCHASED DURING THE YEAR.

1 third-size Clapp & Jones engine.
 1 first-class " " "
 1 first-size La France "
 2 double-tank chemical engines.
 3 two-horse hose-wagons.
 2 coal-wagons.
 3 District Chief's wagons.
 1 fire-boat.
 1 manure-wagon.

HOSE.

Amount of hose purchased and condemned during the year:

	Purchased.	Condemned.
Leading cotton,	7,000 feet.	10,750 feet.
" rubber,	1,500 "	350 "
Chemical,	2,000 "	650 "
Suction,	214 "	120 "
Totals,	10,714 "	11,870 "

Amount of hose in use and in storehouse February 1, 1896:

	In Use.	In Storehouse.
Cotton,	70,150 feet.	3,350 feet.
Rubber,	4,650 "	4,200 "
Chemical,	5,750 "	1,250 "
Suction,	998 "	164 "
Totals,	81,548 "	8,964 "

HORSES.

Purchased during the year	.	.	.	63
Sold or exchanged	.	.	.	40
Died	.	.	.	7
Killed, for cause	.	.	.	4
Number in the department	.	.	.	271

WATER AND HYDRANTS.

The total number of hydrants in the city February 1 was 6,756. In addition to these hydrants, there are 224 fire reservoirs in different sections of the city that contain from 300 to 500 hogsheads of water, and can be used in an emergency.

The number of hydrants established and abandoned during the year is as follows :

DISTRICT.	ESTABLISHED.					ABANDONED.					Net Increase.
	Lowry.	Post.	Boston Lowry.	Boston.	Total.	Lowry.	Post.	Boston Lowry.	Boston.	Total.	
Boston (City Proper)	5	6	0	1	15	3	0	2	0	11	4
South Boston	7	6	2	1	16	1	1	1	10	13	3
East Boston	1	1	1	0	3	0	0	0	0	0	3
Roxbury	6	22	13	1	52	7	1	2	3	13	39
Dorchester	11	79	35	0	118	1	0	5	2	8	110
West Roxbury	4	41	17	0	62	0	1	6	2	9	53
Brighton	0	28	5	0	33	1	1	0	2	4	29
Gallop's Island	0	1	0	0	1	0	0	0	0	0	1
Charlestown	3	1	0	0	4	1	1	0	0	2	2
Totals	32	195	73	3	304	14	5	16	25	60	244

Total Number of Hydrants in use January 31, 1896.

	Lowry.	Post.	Boston Lowry.	Boston Y.	Boston.	Total.
Boston (City Proper)	704	283	58	...	454	1,499
South Boston	220	102	23	1	247	593
East Boston	140	104	24	...	129	397
Roxbury	661	261	77	...	87	1,096
Dorchester	580	550	226	...	59	1,415
West Roxbury	130	546	183	...	44	903
Brighton	78	304	64	...	30	476
Brookline	5	...	...	...	3	8
Chelsea . . . . .	...	...	...	...	7	7
Quincy . . . . .	...	7	...	...	...	7
Deer Island . . . . .	...	18	...	...	...	18
Long Island . . . . .	...	6	...	...	...	6
Thompson's Island . . . . .	...	2	...	...	...	2
Gallop's Island . . . . .	...	1	...	...	...	...
Raineford Island . . . . .	...	...	...	...	...	1
Charlestown	217	75	37	...	9	338
Totals	2,735	2,259	722	1	1,069	6,756

FIRE-ALARM BRANCH.

The woodwork and other fittings for the new office were completed, and the apparatus placed in position, early in the year, and wiring for the same was commenced on the 15th of March.

The extent of this work, which was done by the contractor, and the care required to be exercised in carrying it out, necessarily consumed considerable time, and it was not completed until the middle of May. More than 50,000 feet of wire were used in making the connections. The office is constructed for eighty circuits, which are divided into three systems: Fifty circuits are equipped with apparatus for receiving alarms from the boxes, twenty for striking them out on the bells and gongs, and ten for operating the box-gongs in department houses.

The battery-room is equipped with stands having sufficient capacity to hold fifty-six motor-generators, a power service-board so constructed that current for driving the motors may be taken from four independent sources, and a board which provides for a distribution of the generator currents in such a manner that any desired combination can be made of the eighty circuits at any time without interference with the operation of the system.

On the 20th of May the old plant at the City Hall, which had done effective service for more than thirty years, ended its official existence, and the new office was duly installed.

The transfer of the circuits was made in three hours from the time the first connection was made, careful preparations for making the changes having been made previously.

Notwithstanding the fact that the new plant was equipped with entirely new apparatus, the different construction and operation of which involved a complete change in the methods to be employed, no material interruption to the successful working of the system was experienced at the time of its installation, and the minor faults in construction which developed later being eliminated, it was soon placed on a perfect working basis, and so continued up to the present time.

The dynamo service, which has been referred to as an experiment, in previous reports, has demonstrated by results that a great improvement has been made in this respect, and

the advantages gained by substituting it for the old form of batteries have become more clearly apparent by its continued use.

A new switch-board, constructed for ninety circuits, supplied with three banks of connecting plugs and three sets of transmitters and telephones, has been leased from the New England Telephone Company. It is equipped with all the appliances used in modern exchange business, and by its use the telephone work of the department has been greatly facilitated.

The reconstruction of overhead circuits during the year has been done chiefly in Roxbury and West Roxbury.

In these districts three new bell circuits have been built, and box circuits 7, 8, 13, and 23 partially reconstructed.

Circuit No. 74, in West Roxbury, has been extended to the house of Engine No. 30, and a box-gong of the regular pattern placed in quarters and connected for service.

The wires running along the Parkway in Jamaica Plain have been replaced by an underground cable 2,977 feet in length, containing 17,862 feet of conductors.

Circuits running to Charlestown and Brighton, which were rebuilt in 1894, have been divided, and connected independently in the new office. By this division a new box-gong circuit was created, and the apparatus houses in Brighton connected therewith.

The box-gong service is now extended to the entire department.

All the boxes in Brighton and Charlestown are now connected into circuits by themselves, and the bells and gongs into new circuits, which are used exclusively for striking alarms.

A similar arrangement has been effected by new construction in South Boston, which completes the elimination of the bells and gongs from the box circuits throughout the entire system.

The alarm service has been extended by placing a bell, formerly used on the Phillips School-house, in a new tower which was constructed on the house of Engine No. 41 at Allston, and gongs into the office of Commissioner of Wires, house of District Chief Hussey, Austin & Gove's office, East Boston, and the pumping-station on Wayne street.

Sixteen new circuits have been created, and placed entirely underground. Three of these are connected with lamp-post boxes, and the others with telephones located therein and various department houses. One new overhead telephone circuit has been built, and the service extended by placing telephones in the residence of the Chief of Department,

house of Engine 25, Veterinary Surgeon, Hook and Ladder No. 7, head-room at City Hall, and basement terminal room at Bristol street, Headquarters Building.

Stands and telephones have also been placed on the various desks at headquarters.

The rebuilding of Chelsea bridge has occasioned much work for this branch during the year, as it has been necessary to make temporary changes in the arrangement of the wires from time to time as the work progressed. Wires and cables have been placed, and submarine cables taken up and relaid to meet the existing conditions, the final work being completed late in the season.

The poles formerly supporting the wires at this point have been abandoned, with the exception of some iron posts on the Boston end as far as the draw, and the circuits are now carried on these standards and along the timbers, under the bridge, through a 19-conductor cable 2,600 feet in length.

Submarine cables have been taken up at bridges on Federal, Congress, and Tenean streets and Mt. Washington avenue.

The cable on Federal street was removed on account of becoming defective, and the others because routes of circuits were changed in such a manner that their continued use at those localities was rendered unnecessary. The damaged cable at Federal street was replaced by one of these, and the other two were used at Chelsea bridge.

A new cable, 300 feet in length, has also been laid at Meridian-street bridge.

A new frame has been built to support the bell in the tower on the Noble School-house, on Princeton street, East Boston, and the usual routine work has been done, repairing circuits and making such changes in their locations as have been made necessary by conditions which have developed from time to time in various parts of the city. Six new boxes have been established and connected with the service during the year.

Ninety miles of No. 9 wire and 16,199 feet of Clark and Kerite wire, 1,881 feet 10-conductor, and 2,668 feet 19-conductor overhead cable have been used in completing the work herein referred to.

Two cables, with 10 and 19 conductors, respectively, have been run through the subway from headquarters to the apparatus repair-shop. Nine new roof structures have been built, 19 poles set, 39 structures removed, and 12 poles taken down since last report.

The total amount of old wire taken down during the year is 589,230 feet: of this amount 195,000 feet were removed

from the underground district for 1895, 204,700 feet from the 1894 district, and the remainder from other parts of the city.

Plans were made and cables purchased early in the year for completing the underground construction in the district prescribed for 1895. Before any part of this work had been done, however, a notice was received from the Commissioner of Wires that it would be necessary to make some changes in the original plans on account of conditions which were not considered at the time of the first arrangement. In consequence of this request the 61-conductor cable which was laid in 1894 was drawn out of the ducts in Tremont street, from Compton to LaGrange streets, through LaGrange and Beach streets to Harrison avenue, amounting to 3,659 feet.

The cable thus removed was laid in other places entirely outside of the 1895 district, and a cable containing 19 conductors was bought and run in its place from the starting-point on Tremont street to a terminal box in the house of Police-station No. 4, on LaGrange street. In order to conform to the new arrangements of the Wire Department it also became necessary to use smaller cables in some other portions of the proposed routes in the district; consequently a cable with 37 conductors was purchased and laid, leaving the 61 conductors to be placed outside the district in connection with the one which was drawn out as before mentioned.

The total amount of cable of all kinds laid during the year, including the 61 conductor taken up from Tremont street, is 27,849.5 feet.

These cables vary in their capacity, containing from 10 to 61 conductors, and have been placed as follows:

Kerite and okonite, 61 conductors, on Tremont, Berkeley, Beacon, Charles, Mt. Vernon, Joy, Myrtle, Derne, Bowdoin, Cambridge, and Court streets, Tremont row, Brattle, Exchange, State, and Congress streets, — 13,005 feet.

Kerite, 37 conductors, on Harrison avenue, Chauncy, Arch, Franklin, Pearl, Atlantic avenue, and High streets, — 5,503.5 feet.

Kerite, 19 conductors, on Tremont and LaGrange streets, — 3,408 feet.

Clark, 10 conductors, on Winter, Essex, Appleton, and Eliot streets, including short leads and side connections, — 2,954.8 feet.

Safety, 6 conductors, on Parkway, Jamaica Plain, — 2,977 feet.

They have been laid in ducts belonging to the New England Telephone Company, with the exception of 3,334 feet, which are placed in ducts constructed by this department.

'Twenty-one boxes' and 13 department houses have been connected with the underground service in the past year.

Nine of the boxes are located on streets, and the others are inside theatres, stores, and other buildings.

Underground telephone service has been extended to boxes 42, 56, 57, 61, 72, and 85, all of which are placed on lamp-posts in their respective locations.

The total length of cables now underground is 55,900 feet.

Total length of conductors, 2,313,984 feet.

They are laid in ducts, of which 43,520.8 feet belong to the Telephone Company and 7,890 feet to this department.

The fire-alarm ducts are contained in 4,015 feet of conduits, about one-half of which were built in the past year.

Notwithstanding that the changes in the original plans above noted occasioned a large amount of extra labor and an increased expense in doing the underground work, it was all completed within the time required by law, and all the overhead wires and abandoned structures have been taken down.

The benefit of this extra work will be fully experienced when the territory in which it was done shall be included in a district to be designated by the Commissioner of Wires at some future time.

The service has been uniformly successful during the year, no accidents to any portion of the cables having occurred of sufficient magnitude to materially interfere with their work.

Neither have the overhead wires in the outlying districts been seriously affected by storms at any time, and, everything being considered, it may be said that the system has made a good record for itself since the last report.

The force employed is as follows :

Superintendent.

BROWN S. FLANDERS.

Assistant Superintendent.

CYRUS A. GEORGE.

Operators.

CHARLES M. CHAPLIN,
UZZIEL PUTNAM,
JAMES L. CROWLEY,

JAMES L. GETHINS,
RICHARD DONAHUE,
JONA. M. MORRIS.

Assistant Operators.

JOHN B. JEFFERS,

JOHN FLAVELL.

Care of Dynamos.

JOHN GALWAY.

Foreman of Construction.

HIRAM W. CHERRINGTON.

Repairers.

G. J. H. GUTERMUTH,	E. M. ILLINGWORTH,
WM. H. BARKER,	JERRY HURLEY,
GRANVILLE S. MENDELL,	DANIEL F. McCARTY,
ISSACHAR WELLS,	PETER M. KENDRICK.

A constant watch is kept at the headquarters, Bristol street, night and day, by the operators. Each set of operators have assigned to them certain hours of duty, during which time they are responsible for the correct working of the apparatus in giving alarms, and all testing of the circuits and other details pertaining to the service. No operator is permitted to sleep during his watch, unless expressly relieved by some one else, and by consent of the Superintendent.

Each operator is accountable to the Superintendent for any mistakes that may occur at the office during his hours of duty.

An accurate account is kept of the time of giving each alarm, and of the station from which it originates, and all other necessary information.

There are 572 fire-alarm boxes now in service.

The following boxes are private property: 38 duplicate, 115, 149, 152, 227, 228, 244, 271, 279, 281, 283, 299, 422, 442, 443, 445, 446, 447, 448, 449, 511, 533, 617, 623, 624, 626, 629, 698, 711, 714, 715, 716, 718, 722, 723, 724, 725, 726, 727, 728, 729, 731, 732, 733, 735, 737, 738, 739, 741, 742, 744, 745, 746, 766, 778, 779, 789, 791, 792, 794, 795, 796, 797, 799, 816, 838, 842, 919, 927, 974.

STOCK AND FIXTURES.

Magnetic fire-alarm apparatus, the estimated value of which is \$171,000. Working lines of wire, about 1,000 miles; signal-boxes in use, 572; striking-machines, 24; gongs, 125; box-gongs, 75; tappers, 3; local registers in department houses, 50; two clocks; two four-dial repeating-machines for striking signals; one old three-dial ditto; relays, 70; 1 fifty-pen register; 1 ten-pen ditto; chime-bells, 10; other bells, 21; telegraph keys, 70; main circuit annun-

ciators, 70; local ditto, 70; fuse-boards, 2; telephones in use, 103; 2 switch-boards; 83 galvanometers; 1 voltmeter; 1 mil-ammeter; 1 rheostat and bridge; 1 indicator; 84 battery rheostats; 27 motor-generators; 2 generator stands; 1 power-service board; 1 distributing board; 1 fire apparatus covering map; 2 portable rheotropes; 1 typewriter; 1 copying-press; 1 safe; 1 chronometer; 1 set telegraphic apparatus in Superintendent's house; 5 sets telegraphic apparatus in assistants' houses; brackets, wire, insulators, etc., office furniture, bedsteads, bedding, and sundry small articles.

ALARM BELLS.

The Fire-alarm Telegraph is connected with the following bells:

- Adams School-house, Sumner street, East Boston, steel, 2,995 lbs., owned by city.
- Bunker Hill School-house, Charlestown, 2,009 lbs., owned by city.
- Chapman School-house, Eutaw street, East Boston, steel, 3,109½ lbs., owned by city.
- City Hall, Charlestown, composition, 3,600 lbs., owned by city.
- Engine-house No. 16, Temple street, Dorchester, composition, 4,149 lbs., owned by city.
- Engine-house No. 17, Meeting-House Hill, Dorchester, composition, 4,000 lbs., owned by city.
- Engine-house No. 18, Harvard street, Dorchester, composition, 3,184 lbs., owned by city.
- Engine-house No. 19, Mattapan, Dorchester, composition, 2,927 lbs., owned by city.
- Engine-house No. 20, Walnut street, Dorchester, composition, 3,061 lbs., owned by city.
- Engine-house No. 21, Boston street, Dorchester, composition, 3,026 lbs., owned by city.
- Engine-house No. 28, West Roxbury, composition, 4,000 lbs., owned by city.
- Engine-house No. 29, Brighton, steel, 1,535 lbs., owned by city.
- Engine-house No. 30, West Roxbury, 300 lbs., owned by city.
- Engine-house No. 34, Brighton, composition, 1,501 lbs., owned by city.
- Engine-house No. 40, Orleans street, East Boston, composition, 817 lbs., owned by city.

Engine-house No. 41, Allston, composition, 900 lbs., owned by city.

Engine-house No. 45, Roslindale, composition, 1,059 lbs., owned by city.

Faneuil Hall, steel, 5,816 lbs., owned by city.

Lewis School-house, Dale street, Boston Highlands, composition, 3,104 lbs., owned by city.

Maverick-street Church, East Boston, composition, 2,000 lbs.

Princeton-street School-house, East Boston, composition, 2,470 lbs., owned by city.

Saratoga-street M. E. Church, East Boston, steel, 1,968 lbs., owned by city.

Warren School-house, Charlestown, composition, 3,000 lbs., owned by city.

Winthrop School-house, Charlestown, composition, 3,000 lbs., owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows :

Fire-alarm Repair-shop, bell formerly used on house of Chemical Engine 5 ; one composition, 400 lbs., formerly used on house of Chemical Engine No. 4 ; one composition, 400 lbs., formerly used on house of Chemical Engine No. 6 ; and two small bells from other locations.

Engine-house No. 1, Dorchester street, South Boston, composition, 800 pounds.

Engine-house No. 2, composition, 800 lbs.

George-street School-house, Boston Highlands, composition, 4,160 lbs.

Hook-and-Ladder House, No. 4, Dudley street, Boston Highlands, composition, 3,509 lbs.

Lawrence School-house, B street, South Boston, steel, 3,400 lbs.

Lincoln School-house, Broadway, South Boston, composition, 3,110 lbs.

Quincy School-house, Tyler street, composition, 2,941 lbs.

Smith-street School-house, Highlands, composition, 4,083 lbs.

Ticknor School-house, Dorchester street, Washington Village, steel, 2,995 lbs.

Trinity Church, Trenton street, East Boston, composition, 1,760 lbs. Formerly used on Castle-street Church.

Van Nostrand's Brewery, Charlestown, composition, 818 lbs. Formerly used on Boylston School-house.

Wells School-house, Blossom street, composition, 1,675 lbs.

PUBLIC CLOCKS.

The following public clocks, forty in number, are taken care of by the Fire Department :

City Proper.

Arlington-street Church.
Charles-street Church.
Christ Church, Salem street, owned by city.
Commercial Wharf.
Lynde-street Church.
Odd Fellows Hall, Tremont street, owned by city.
Old South Church, owned by city.
Old State-House, owned by city.
Park-street Church.
Suffolk County Jail, owned by city.
St. Stephen's Church, Clark street, owned by city.
Shawmut-avenue Church.
Tremont M. E. Church, owned by city.
Young Men's Christian Union, owned by city.

South Boston.

Bigelow School-house, owned by city.
Gaston School-house, owned by city.
Lincoln School-house, owned by city.
Phillips Church, owned by city.
St. Augustine Church, Dorchester street, owned by city.
Ticknor School-house, Washington Village, owned by city.

East Boston.

Central Square Church.
London-street Church, owned by city.
Lyceum Hall, owned by city.
Trinity Church, owned by city.
Orient Heights Church, owned by city.

Boston Highlands.

Winthrop-street Church, owned by city.
West End stables, Tremont street, owned by city.
Roxbury High School, owned by city.

Dorchester.

Baker Memorial (Upham's Corner), owned by city.
Neponset Church.

Tileston School (Mattapan), owned by city.
Unitarian Church (Milton Lower Mills).

Charlestown.

Bunker Hill Church.
City Hall, owned by city.
Harvard Hill Church.
High School-house, owned by city.
Unitarian Church.

West Roxbury.

Dr. Strong's Church.
Unitarian Church.

Brighton.

Bennett School-house, owned by city.

After a year's experience here, I can heartily commend the officers and men of the department for uniform energy and intelligence in their work, and earnest endeavor to understand and carry out the requirements of the Commission.

Your obedient servant,

HENRY S. RUSSELL,
Commissioner.

ANNUAL REPORT
OF THE
HEALTH DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 12 — 1896.]

HEALTH DEPARTMENT, OLD COURT HOUSE,
BOSTON, February 1, 1896.

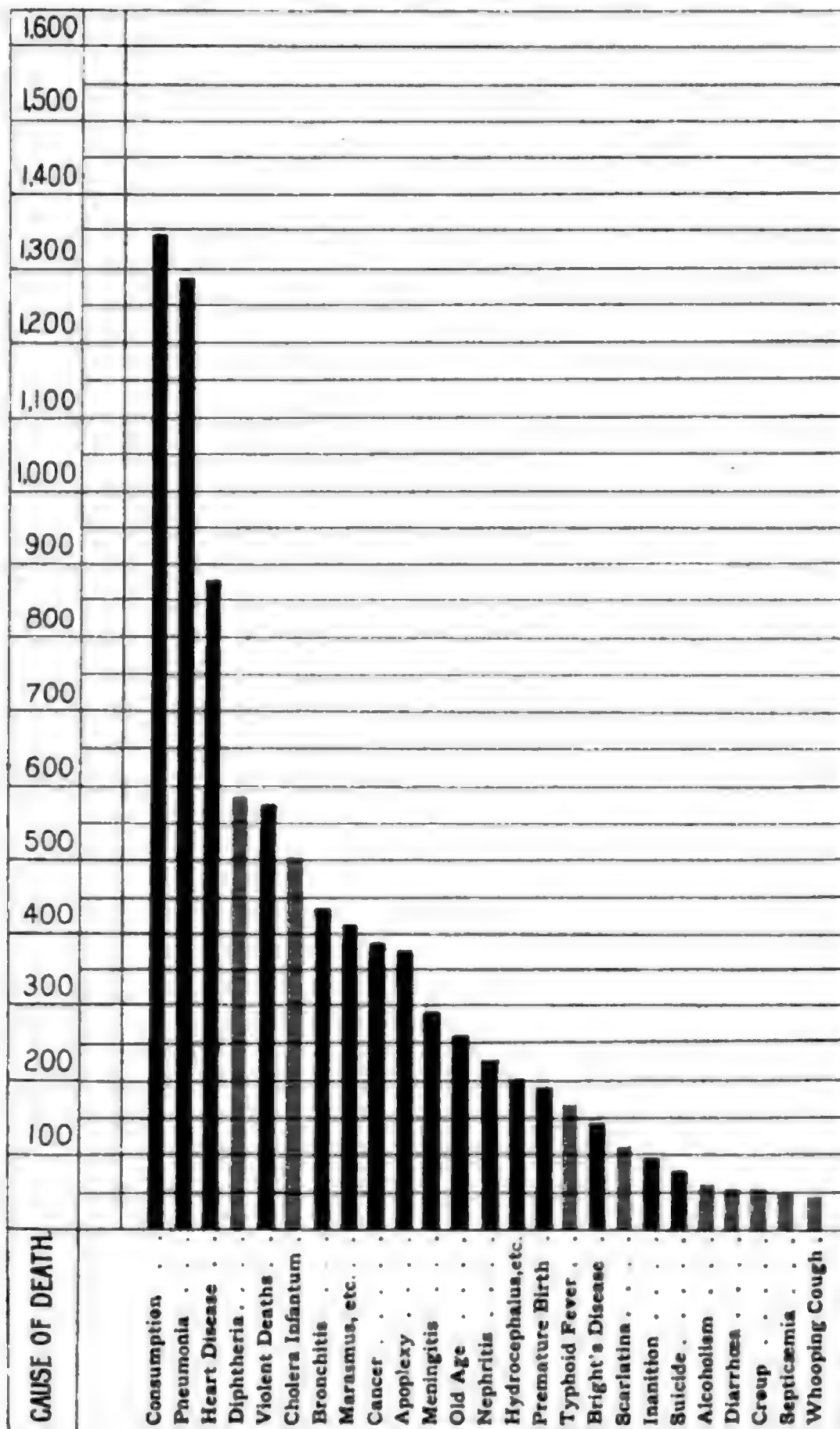
HON. JOSIAH QUINCY,
Mayor of the City of Boston:

Sir: The Board of Health respectfully submits its twenty-fourth annual report, covering the work of the Health Department for the past year, together with a statement of the receipts and expenditures of the Department from February 1, 1895, to February 1, 1896.

The total number of deaths for the year was 11,329, a decrease from the previous year of 191 deaths. The population, as estimated at the end of the year, is 501,083, which is based on the geometrical rate of increase between the last two census years, 1885-1895. The death-rate for the year, as calculated on this population, is 22.60 per 1,000 inhabitants. This rate is less by .38 than that of the previous year, and the lowest since 1889. There were 1,968 deaths from zymotic diseases, which is a reduction of 389 deaths from the same group of the previous year, and this reduction is chiefly accounted for by the falling off in the number of deaths from diphtheria. There were 229 less deaths from this cause than in 1894, although the number of cases of diphtheria reported was largely increased on account of the larger number discovered among the pupils in the public schools by the medical inspectors of schools, and the bacteriological tests in the otherwise unrecognized cases. The ratio of deaths to the number of cases of diphtheria reported has been reduced by more than one-half. There were 114 deaths from scarlatina, 78 less deaths than in the preceding year, and 120 less than the average of the three previous years. Typhoid fever caused 163 deaths during the year. Forty-nine of the deaths from this cause occurred during

the months of August, September, and October, and 95 of the whole number died between the ages of 20 and 40 years. There were 19 deaths from measles during the year. The number of deaths of children under five years of age was 3,935, compared with 4,108 for the previous year, showing a falling off of 173 deaths or .93 per cent. of the total mortality. The respiratory diseases are still the most fatal, causing fully 27 per cent. of the whole mortality the past year.

Comparative View of Twenty-five of the Principal Causes of Death during the Year 1895.

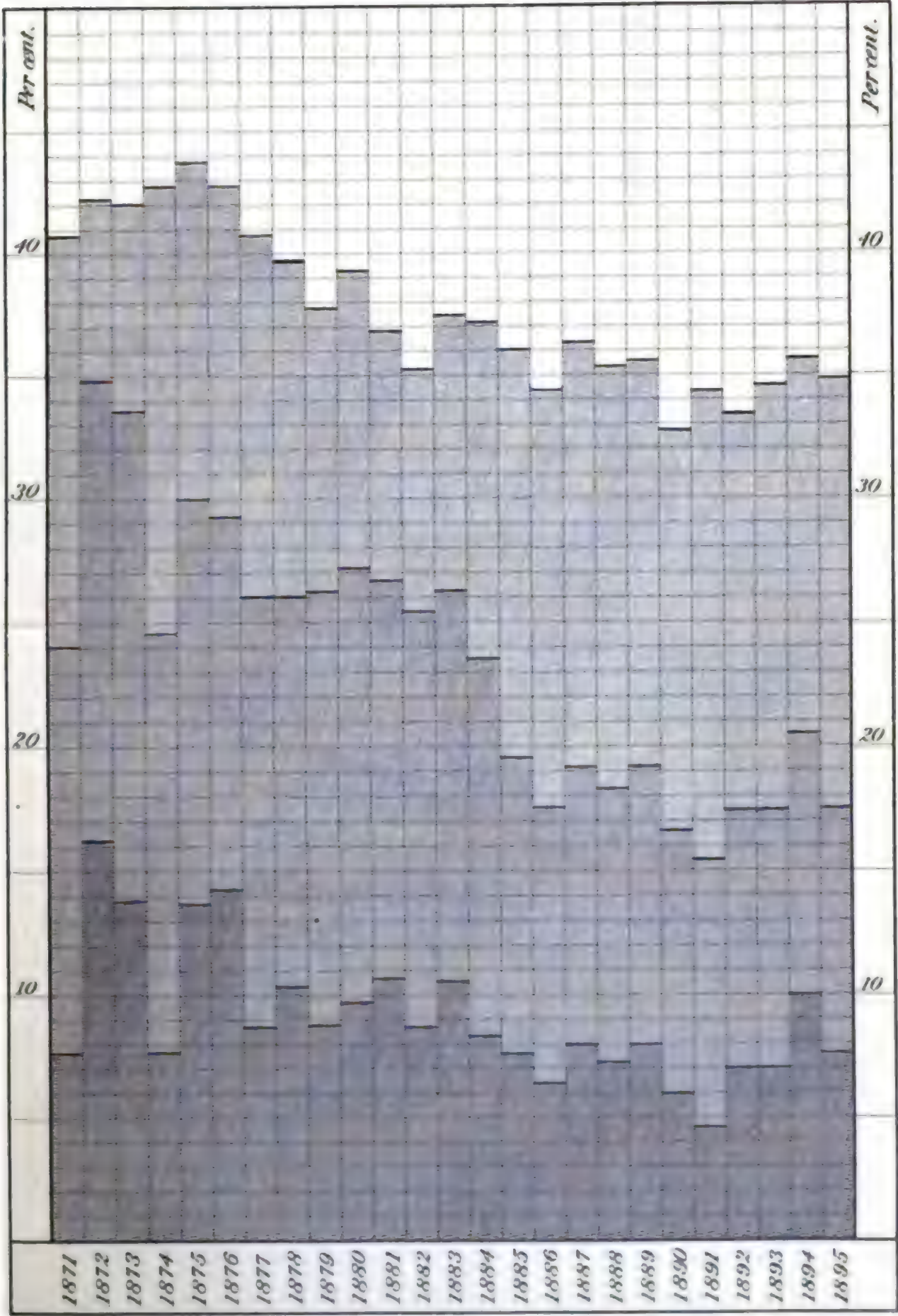


Deaths from Zymotic Diseases.

Deaths from other Diseases.

CHART NO. 1

Percentage of deaths of Children under five years of age,
ZYMOTIC DEATHS, AND FIVE OF THE PRINCIPAL INFECTIOUS DISEASES
to the total mortality for twenty-five years ending 1895.



Percentage of Children under five years of age to total mortality
“ of Zymotic deaths to total mortality
“ of Diphtheria, Scarlet Fever, Measles, Typhoid Fever,

Table I.—Total of Deaths, Still-births, and Deaths from Zymotic Diseases, for Twenty-five Years, with Percentages.

YEARS.	Total Deaths, exclusive of Still-births.	Still-births.	Total Zymot- ics.	Diphtheria and Croup.	Scarlet Fever.	Typhoid Fever.	Cerebro-spinal Meningitis.	Whooping- cough.	Measles.	Diarrheal Diseases.	Small pox.	Percentage of Zymotic Deaths to To- tal Mortality.	Rate of Still- births per 1,000 Inhab- itants.
1871	5,988	543	1,408	128	111	176	8	80	9	750	23	23.91	1.85
1872	8,090	560	2,823	94	258	229	60	52	60	1,006	738	34.89	1.91
1873	7,869	515	2,626	119	474	243	216	33	16	925	302	33.37	1.76
1874	7,812	642	1,899	121	269	202	35	108	41	940	2	24.30	2.19
1875	9,060	541	2,722	631	534	227	41	41	65	989	1	30.02	1.28
1876	8,253	485	2,459	720	458	145	13	59	2	827	2	29.55	1.41
1877	7,316	471	1,800	471	104	156	24	88	2	913	4	25.83	1.37
1878	7,636	441	1,980	569	68	120	19	88	145	816	..	25.91	1.28
1879	7,398	453	1,935	545	149	119	15	112	2	772	..	26.15	1.24
1880	8,531	443	2,321	774	33	154	8	94	49	1,003	1	27.20	1.22
1881	9,016	513	2,423	802	35	207	16	77	108	870	6	26.87	1.29
1882	8,995	518	2,276	575	75	212	24	92	25	951	8	25.30	1.26
1883	9,740	504	2,551	608	211	198	23	31	152	1,023	1	26.19	1.17
1884	9,622	503	2,278	487	209	216	26	181	13	855	1	23.67	1.17
1885	9,618	520	1,879	450	156	152	19	26	84	723	2	19.53	1.30
1886	9,268	643	1,644	423	81	135	14	37	36	705	..	17.73	1.35
1887	10,073	534	1,998	410	195	183	16	82	119	734	..	19.70	1.33
1888	10,107	552	1,841	589	65	170	19	74	27	669	2	18.05	1.33
1889	10,259	598	1,968	683	23	186	21	96	48	710	2	19.18	1.42
1890	10,181	627	1,677	462	42	155	17	39	19	665	..	16.47	1.39
1891	10,571	614	1,615	285	54	154	21	39	21	755	..	15.27	1.33
1892	11,236	638	2,014	481	262	137	12	45	19	693	..	17.92	1.34
1893	11,710	605	2,042	546	248	148	15	40	27	635	..	17.43	1.24
1894	11,520	700	2,357	878	192	141	18	111	8	700	22	20.46	1.39
1895	11,329	607	1,968	654	114	163	15	47	19	627	..	17.37	1.21

Table 11. — Total Number of Deaths under Five Years and Five Years and over, for Twenty-five Years, with Percentages to the Total Mortality.

YEARS.	Total Deaths.	Five Years and over.	Under Five Years.	PERCENTAGES.	
				Five Years and over.	Under Five Years.
1871	5,888	3,493	2,395	59.33	40.67
1872	8,090	4,676	3,414	57.79	42.21
1873	7,869	4,580	3,289	58.20	41.80
1874	7,812	4,454	3,358	57.01	42.99
1875	9,060	5,088	3,972	56.16	43.84
1876	8,253	4,722	3,531	57.22	42.78
1877	7,316	4,334	2,982	59.24	40.76
1878	7,636	4,630	3,006	60.63	39.37
1879	7,398	4,593	2,805	62.08	37.92
1880	8,531	5,182	3,349	60.74	39.26
1881	9,016	5,702	3,314	63.24	36.76
1882	8,995	5,844	3,151	64.97	35.03
1883	9,740	6,113	3,627	62.76	37.24
1884	9,622	6,052	3,570	62.90	37.10
1885	9,618	6,152	3,466	63.97	36.03
1886	9,268	6,082	3,186	65.63	34.37
1887	10,073	6,411	3,662	63.65	36.35
1888	10,197	6,598	3,599	64.71	35.29
1889	10,259	6,626	3,633	64.59	35.41
1890	10,181	6,832	3,349	67.11	32.89
1891	10,571	6,963	3,608	65.87	34.13
1892	11,236	7,501	3,735	66.76	33.24
1893	11,710	7,523	3,967	64.96	35.04
1894	11,620	7,412	4,108	64.31	35.69
1895	11,329	7,394	3,935	65.27	34.73

Table III. — Deaths during the Year 1895, by Sex, Condition, Color, Nativity, Parentage, and Season.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Total number of deaths	960	1,026	1,007	900	891	753	918	1,131	978	946	868	929	11,329
<i>Sex :</i>													
Males	481	516	535	469	474	407	462	573	522	463	409	460	5,831
Females	479	512	472	431	417	376	456	558	456	483	389	469	5,498
<i>Condition :</i>													
Married	294	310	327	301	280	249	221	236	214	259	291	294	3,276
Single	515	537	508	466	476	411	588	781	649	561	443	464	6,399
Widows	107	136	132	95	90	75	69	63	74	93	81	116	1,130
Widowers	39	38	35	31	39	39	34	46	34	28	37	47	447
Unknown	5	7	5	7	6	9	6	5	7	5	6	9	77
<i>Color :</i>													
Whites	943	1,003	979	861	864	763	901	1,101	953	917	836	913	11,034
Colored	17	23	28	39	27	20	17	30	25	29	22	16	295
<i>Nativity :</i>													
United States . . .	632	664	611	597	594	495	664	846	699	665	548	543	7,548
Ireland	197	210	226	147	160	144	133	140	153	157	164	215	2,046
England	17	29	29	24	24	26	20	20	27	13	14	19	262
Scotland	6	13	10	8	4	4	8	7	2	8	12	11	93
Germany	19	18	20	14	16	22	2	16	14	17	14	18	190
British Provinces .	51	47	65	60	57	52	49	53	44	54	70	78	682
Italy	7	7	8	13	7	12	11	9	6	10	7	9	106
Russia	5	8	12	6	4	8	5	8	6	6	3	2	73
Other countries . .	22	19	17	18	18	14	14	16	15	16	17	16	202
Unknown	4	13	9	13	7	6	12	14	12	10	9	18	127
<i>Parentage :</i>													
American	217	247	242	217	200	166	195	243	226	222	185	202	2,571
Irish	371	361	356	281	298	266	297	330	330	313	296	330	3,829
English	16	22	26	24	31	24	23	28	25	12	17	23	271
Scotch	10	16	19	11	12	4	12	15	5	9	13	17	143
German	27	27	27	24	24	30	21	32	28	31	29	26	326
British Provinces .	53	52	52	40	39	38	59	76	59	60	57	44	644
Italian	23	25	16	25	21	14	26	32	23	16	14	22	261
Russian	14	19	29	23	20	20	18	40	30	20	10	12	276
Other countries . .	74	65	69	70	60	65	86	103	71	69	60	60	862
Mixed	54	77	66	74	73	69	97	135	88	85	68	80	966
* Unknown . . .	101	117	105	102	104	87	82	97	93	95	100	113	1,196

* This includes deaths where one parent is unknown.

Table IV.—Deaths from Principal Zymotic Diseases.

	Total Deaths from each Cause.	Percentage of each Cause to Total Mortality.	Deaths per 1,000 inhabitants.	Total Deaths per sex.		Total Deaths per Sex under Five Years.		Total Deaths under Five Years.	Percentage of each Cause under Five Years to Total Mortality.
				M.	F.	M.	F.		
Small-pox . . . . .	..	..	..	..	..	..	..	..	..
Measles	19	.167	.037	10	9	9	7	16	.141
Scarlatina	114	1.006	.227	54	60	40	57	77	.679
Diphtheria	598	5.190	1.173	307	291	195	192	387	3.416
Croup	66	.582	.131	55	30	29	20	55	.485
Whooping-cough	47	.414	.093	26	21	26	20	46	.406
Typhoid Fever	163	1.438	.325	100	63	3	3	6	.052
Erysipelas	34	.300	.067	21	13	5	5	10	.088
Puerperal fever	14	.123	.027	..	14	..	..	..	..
Carbuncle . . . . .	..	..	..	..	..	..	..	..	..
Dysentery	43	.379	.085	23	18	7	2	9	.079
Diarrhoea	69	.609	.137	40	39	21	24	45	1.379
Cholera morbus	15	.132	.029	7	8	5	1	6	.052
Cholera infantum	500	4.413	.997	255	245	255	244	449	4.404
Cerebro-spinal fever	15	.132	.029	7	8	4	7	11	.097
Influenza	69	.609	.137	28	41	5	6	11	.097
Intermittent fever	5	.044	.009	1	1	..	1	1	.009
Rheumatism	21	.185	.041	9	12	1	..	1	.008
Pyæmia	1	.044	.009	3	2	..	..	..	..
Syphilis, congenital	26	.229	.051	16	10	16	10	26	.229
Syphilis, tertiary	8	.070	.015	3	5	..	..	..	..
Purpura	8	.070	.015	4	4	1	2	3	.026
Alcoholism	70	.617	.139	43	27	..	..	..	..
Septicæmia	62	.547	.123	25	37	3	..	3	.026
Typhus fever . . . . .	..	..	..	..	..	..	..	..	..
Tonsillitis	2	.017	.003	1	1	1	1	2	.017
Remittent fever	1	.008	.001	1	..	..	..	..	..

Table V. — Yearly Percentages of Principal Zymotic Deaths from 1879 to 1895, inclusive, to Total Mortality.

	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
Small pox . . . . .	. . . . .	.011	.066	.068	.010	.010	.020	. . . . .	. . . . .	.019	.019	. . . . .	. . . . .	. . . . .	.084	.190	. . . . .
Measles . . . . .	.027	.574	1.197	.277	1.560	.135	.873	.388	1.181	.264	.468	.186	.198	.169	.230	.069	.167
Scarlatina	2.014	.386	.388	.833	2.166	2.172	1.621	.873	1.935	.637	.224	.412	.605	2.331	2.118	1.006	1.006
Diphtheria	5.285	6.892	6.665	5.091	4.568	3.585	3.472	3.519	3.137	4.603	5.498	3.938	2.194	3.684	4.064	7.092	5.190
Croup	2.061	2.180	2.229	1.300	1.673	1.475	1.299	1.014	.933	1.167	1.160	.599	.601	.596	.697	.629	.682
Whooping cough	1.513	1.101	.854	1.022	.318	1.881	.270	.399	.814	.725	.936	.383	.368	.400	.341	.963	.414
Typhoid fever	1.608	1.804	2.295	2.356	2.012	2.245	1.580	1.456	1.816	1.607	1.813	1.522	1.456	1.219	1.263	1.223	1.438
Erysipelas . . . . .	.527	.281	.465	.444	.431	.448	.415	.420	.337	.402	.234	.353	.368	.329	.478	.277	.300
Puerperal fever . . . . .	.851	.726	.754	.833	.728	.467	.207	.183	.228	.176	.117	.265	.170	.249	.239	.138	.123
Carbuncle . . . . .	.027	.035	.955	.044	.020	.031	.072	.032	. . . . .	. . . . .	.019	.058	.018	.035	.025	.008	. . . . .
Dysentery	1.365	1.488	1.064	.922	.903	.663	.644	.668	.585	.470	.741	.294	.454	.263	.333	.329	.379
Diarrhea	2.487	2.056	2.066	2.568	2.731	2.286	1.767	1.856	1.578	1.510	1.529	1.119	.851	.685	.709	.607	.609
Cholera morbus . . . . .	.351	.445	.177	.511	.246	.500	.319	.302	.228	.264	.214	.225	.189	.204	.119	.199	.132
Cholera infantum	5.117	6.071	4.924	5.625	5.574	5.372	4.793	4.790	4.894	4.314	4.386	4.891	5.647	5.010	4.261	4.839	4.413
Cerebro-spinal fever . . . . .	.302	.105	.177	.266	.236	.270	.197	.151	.158	.186	.205	.106	.198	.106	.128	.156	.132
Intermittent fever . . . . .	.013	.088	.033	.022	.010	.010	.031	. . . . .	. . . . .	.099	. . . . .	. . . . .	.018	. . . . .	.051	.034	.044
Remittent fever . . . . .	.081	.082	.044	.011	.010	. . . . .	.020	.053	. . . . .	.109	. . . . .	. . . . .	.009	.008	.017	.130	.008
Rheumatism . . . . .	.378	.222	.454	.333	.215	.270	.405	.302	.436	.274	.302	.196	.217	.382	.273	.104	.185
Pyæmia . . . . .	.175	.048	.156	.233	.154	.176	.114	.183	.138	.098	.075	.157	.141	.090	.111	.190	.044
Syphilis, congenital, . . . . .	.243	.128	.221	.133	.184	.280	.218	.215	.268	.254	.214	.392	.198	.105	.153	.078	.229
Syphilis, tertiary . . . . .	.094	.093	.088	.100	.133	.051	.503	.075	.079	.039	.097	.039	.047	.026	.068	.052	.070
Purpura . . . . .	. . . . .	.058	.055	.011	.092	.011	.020	.075	.039	.039	.029	.038	.056	.026	.059	.584	.070
Alcoholism . . . . .	.554	.644	.820	1.045	.687	.737	.571	.420	.585	.519	.604	.746	.614	.640	.717	.355	.617
Septicæmia . . . . .	.175	.187	.122	.133	.277	.270	.322	.280	.228	.166	.175	.176	.274	.249	.367	. . . . .	.547
Yellow fever . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	.010	.010	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Tonsillitis . . . . .	.040	. . . . .	. . . . .	.033	.102	. . . . .	.051	.043	.049	.068	.009	.009	.028	.080	.025	.017	.017

Table VI.—Ten of the Principal Causes of Death, by Sex and Month, with Nativity of Parents.

	Jan.		Feb.		Mar.		Apr.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.		Total.		Nativity of Parents.										Total.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	United States.	Ireland.	England.	Scotland.	Germany.	British Prov.	Italy.	Russia.	Other Countries.	Mixed.		Unknown.
Consumption . . .	62	51	65	52	67	58	56	52	61	66	63	59	47	44	51	42	53	59	55	55	58	55	53	59	697	652	169	682	33	15	41	81	20	14	118	64	112	1,349
Pneumonia . . .	82	67	114	105	85	57	92	62	70	36	34	32	25	26	20	19	19	16	42	35	63	35	72	59	719	549	255	469	29	24	28	60	42	37	91	100	133	1,268
Heart disease . .	39	44	44	46	48	45	43	37	40	33	31	32	20	31	28	34	38	20	39	36	38	37	38	29	446	424	234	305	31	19	32	26	8	10	42	36	127	870
Diphtheria . . .	28	27	26	29	17	12	20	17	13	19	20	14	25	15	29	14	24	27	24	27	32	37	40	43	307	281	148	141	12	6	20	46	18	27	49	103	18	588
Violent deaths . .	34	14	17	19	37	10	31	16	36	16	46	16	41	12	55	13	25	7	35	12	35	8	24	19	416	164	108	190	13	12	14	42	15	15	35	37	99	580
Cholera Infantum .	2	2	2	2	1	2	1	1	3	1	5	3	58	69	83	99	77	54	23	14	4	1	1	253	245	108	105	6	2	13	46	22	34	60	94	10	500	
Bronchitis . . .	23	25	30	39	28	31	20	27	19	21	8	7	11	6	7	11	10	9	15	17	14	18	15	263	236	79	192	6	3	16	20	20	12	46	31	14	439	
Marasmus, etc. . .	8	12	8	10	9	9	18	11	6	14	9	11	16	17	43	38	35	33	27	36	12	11	13	9	204	211	114	75	3	2	9	32	11	5	30	63	71	415
Cancer	11	29	9	19	13	23	7	19	8	18	9	28	14	18	9	27	9	18	6	22	17	24	8	26	120	271	118	132	14	9	16	24	3	1	19	6	40	391
Apoplexy	11	26	18	12	33	25	12	12	15	16	11	14	10	15	11	11	8	12	10	18	12	21	15	24	166	206	109	144	11	4	11	11	3	3	12	16	48	372

Table VII.—Ten of the Principal Causes of Death, arranged by Age and Sex.

Under 1 yr.	1 yr. and under 2 yrs.		2 yrs. and under 3 yrs.		3 yrs. and under 4 yrs.		4 yrs. and under 5 yrs.		Total under 5 yrs.		5 yrs. and under 10 yrs.		10 yrs. and under 20 yrs.		20 yrs. and under 30 yrs.		30 yrs. and under 40 yrs.		40 yrs. and under 50 yrs.		50 yrs. and under 60 yrs.		60 yrs. and under 70 yrs.		70 yrs. and under 80 yrs.		80 yrs. and under 90 yrs.		90 yrs. and under 100 yrs.		Over 100 yrs.		Total of all ages.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
Consumption.	14	9	4	7	5	1	1	1	1	25	18	3	2	58	66	213	214	189	182	92	76	45	37	16	12	13	1	3	1	1	1	1	1	1	1	497	652	
Pneumonia.	129	91	51	52	22	26	18	3	10	5	230	177	8	11	10	16	63	34	96	42	108	61	83	55	64	74	42	58	16	18	3	3	3	3	3	3	719	549
Heart disease.	12	7	1	1	1	1	2	1	1	17	8	8	6	12	18	34	34	41	48	64	53	79	77	92	82	75	69	23	26	1	3	1	3	1	1	1	446	424
Diphtheria.	21	7	52	60	52	51	37	34	33	40	195	192	90	63	16	20	2	2	1	2	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	307	281
Violent deaths.	17	18	4	4	5	3	7	6	10	2	43	33	14	8	29	8	94	26	87	16	64	25	43	14	27	16	13	10	2	7	1	1	1	1	1	1	418	164
Cholera infantum.	211	195	39	45	5	3	1	1	1	1	255	244	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	255	245
Bronchitis.	86	81	28	23	9	2	6	4	2	118	121	2	1	2	2	6	7	8	8	14	9	11	15	16	27	15	28	11	13	3	3	3	3	3	3	3	203	236
Marasmus, etc.	172	180	16	14	2	4	1	1	1	191	199	1	1	1	2	3	1	1	1	1	1	1	1	3	3	3	2	2	3	3	3	3	3	3	3	3	204	211
Cancer.	5	7	1	1	2	2	1	1	1	7	10	1	1	1	6	6	12	12	28	20	29	36	42	53	30	43	10	19	1	5	1	1	1	1	1	1	120	271
Apoplexy.	5	7	1	1	2	2	1	1	1	7	10	1	1	1	6	6	12	12	28	20	29	36	42	53	30	43	10	19	1	5	1	1	1	1	1	1	166	206

Table IX. — Deaths from Principal Zymotic Diseases, arranged by Age and Sex.

	Under 1 yr.		1 yr. and under 2 yrs.		2 yrs. and under 3 yrs.		3 yrs. and under 4 yrs.		4 yrs. and under 5 yrs.		Total under 5 yrs.		5 yrs. and under 10 yrs.		10 yrs. and under 20 yrs.		20 yrs. and under 30 yrs.		30 yrs. and under 40 yrs.		40 yrs. and under 50 yrs.		50 yrs. and under 60 yrs.		60 yrs. and under 70 yrs.		70 yrs. and under 80 yrs.		80 yrs. and under 90 yrs.		90 yrs. and under 100 yrs.		Total of all ages.			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
Small-pox																																				
Measles	3		4	2	2	3		1		1	9	7	1	2																					10	9
Scarlatina	5	3	8	7	11	12	10	8	6	7	40	37	12	19	2	3		1																	54	60
Diphtheria	21	7	52	60	52	51	37	34	33	40	105	192	90	63	16	20	2	2	1	2					3		1								307	281
Croup	5	3	7	9	6	8	3	5	8	1	29	26	7	4																					36	30
Whooping-cough	18	12	8	6		1		1			20	20		1																					26	21
Typhoid fever		1	1		1			1	1	1	3	3	5	3	9	14	39	22	25	9	11	6	3	1	1	1	1	1	1					100	63	
Erysipelas	4	5						1			5	5			1		2	2	2	3	1	2	2	1	1	2	4	1						21	13	
Puerperal fever																		7		6		1													14	
Carbuncle																																				
Dysentery	5	1	2	1							7	2					1	1	1	3	1	3		5	3	3	4	1	3	2	3				25	18
Diarrhoea	18	20	3	2		2					21	24						1			1	2		3		5	6	3	1	2				30	39	
Cholera morbus	4	1	1								5	1							1		2		2	1			1	1						7	8	
Cholera infantum	211	195	39	45	3	3	1		1	1	255	244		1																					255	245
Cerebro-spinal fever	2	3		3	1		1	1			4	7	2				1	1																	7	8
Remittent fever																																				1

Rheumatism	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9 12
Pyæmia	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	3 2
Syphilis, congenital	16	9	.	.	.	.	.	16 10	.	.	.	.	.	.	.	.	.	.	.	.	.	16 10
Syphilis, tertiary	.	.	.	.	.	.	.	.	.	1	.	2	.	.	1	1	.	.	.	.	.	3 5
Purpura	1	2	.	.	.	.	.	1	2	.	1	.	1	.	1	.	.	.	.	.	.	4 4
Alcoholism	.	.	.	.	.	.	.	.	.	.	8	6	19	10	7	6	2	3	2	1	1	43 27
Septicæmia	2	1	.	.	.	.	.	3	.	1	1	1	5	11	4	11	4	7	5	3	1	25 37
Tonsillitis	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1 1
Typhus fever	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Influenza	5	4	.	1	.	.	.	1	.	.	2	3	1	2	2	3	7	2	4	3	11	2 28 41
Intermittent fever	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1 4

Table X.—The Number and Percentages of Deaths in each Quarter of each Year during a Period of Thirty-one Years, 1865-95, inclusive.

YEARS.	FIRST QUARTER.		SECOND QUARTER.		THIRD QUARTER.		FOURTH QUARTER.		Rate per 1,000 Inhabitants.
	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.	
1865.	1,115	24.55	1,068	23.52	1,353	29.80	1,005	22.13	23.6
1866.	909	22.81	367	21.55	1,338	30.56	1,085	24.78	22.4
1867.	1,071	24.22	950	21.49	1,191	26.94	1,209	27.35	22.3
1868.	1,341	24.30	1,203	21.80	1,736	31.45	1,239	22.45	23.9
1869.	1,374	24.88	1,297	23.48	1,562	28.28	1,200	23.36	23.4
1870.	1,385	22.88	1,314	21.55	1,983	32.52	1,406	23.05	24.3
1871.	1,411	23.97	1,299	22.06	1,842	31.28	1,386	22.69	23.0
1872.	1,697	20.97	1,777	21.97	2,611	31.04	2,105	26.02	31.80
1873.	2,115	26.88	1,726	21.93	2,278	28.95	1,750	22.24	30.27
1874.	1,805	23.11	1,813	23.27	2,278	29.16	1,911	24.46	24.9
1875.	2,190	24.17	2,011	22.20	2,680	29.58	2,179	24.05	24.95
1876.	2,246	27.21	1,909	21.92	2,375	28.78	1,823	22.69	23.39
1877.	1,723	23.55	1,613	22.05	2,317	31.67	1,663	22.73	20.15
1878.	1,743	22.82	1,744	22.84	2,174	28.47	1,975	26.87	21.03
1879.	1,947	26.32	1,615	21.83	1,959	26.48	1,877	25.37	20.38

1880.	2,015	23.62	1,829	31.45	2,500	29.30	2,187	25.63	23.53
1881.	2,332	25.85	2,021	32.41	2,486	27.34	2,197	24.38	22.67
1882.	2,104	23.39	2,212	24.59	2,489	27.67	2,190	24.35	21.91
1883.	2,268	23.28	2,400	24.74	2,757	28.31	2,306	23.67	22.76
1884.	2,284	23.73	2,103	21.85	2,725	28.33	2,510	26.09	22.48
1885.	2,510	26.10	2,484	25.82	2,592	26.95	2,032	21.13	24.04
1886.	2,214	23.69	2,113	22.79	2,580	27.84	2,361	25.48	23.17
1887.	2,362	23.45	2,281	22.65	2,912	28.90	2,518	25.00	25.18
1888.	2,790	27.36	2,420	23.78	2,649	26.98	2,338	22.93	24.57
1889.	2,437	23.75	2,543	24.79	2,854	27.82	2,425	23.64	24.42
1890.	2,911	28.60	2,244	22.04	2,699	26.51	2,327	22.85	22.70
1891.	2,442	23.10	2,540	24.03	2,835	26.82	2,754	26.05	23.02
1892.	2,996	26.68	2,582	22.98	2,958	26.33	2,698	24.01	23.92
1893.	2,969	25.35	2,947	24.31	3,013	25.74	2,881	24.60	24.02
1894.	2,972	25.80	2,592	22.50	3,182	27.62	2,774	24.08	22.98
1895.	2,995	26.44	2,574	22.72	3,027	26.72	2,733	24.12	22.60

Table XI. — Deaths from Ten of the Principal Causes.

	Total deaths from each Cause.	Percentage of each Cause to Total Mortality.	Death per 1,000 Inhabitants.	Total Deaths by Sex.		Total Deaths by Sex under Five Years.		Total Deaths under Five Years.	Percentage of each Cause under Five Years to Total Mortality.
				M.	F.	M.	F.		
Consumption	1,349	11.907	2.692	697	652	25	18	43	.379
Pneumonia	1,268	11.192	2.530	719	549	230	177	407	3.692
Heart disease	870	7.679	1.936	446	424	17	8	25	2.206
Diphtheria	688	5.190	1.173	307	281	195	192	387	3.416
Violent deaths	580	5.119	1.157	416	164	43	33	76	.670
Cholera infantum	500	4.413	.997	255	245	255	244	499	4.404
Bronchitis	439	3.875	.876	203	236	118	121	239	2.109
Marasmus, etc.	415	3.663	.828	204	211	191	199	390	3.442
Cancer	391	3.451	.780	120	271				
Apoplexy	372	3.283	.742	166	206	7	10	17	.150

Table XII. — Total Deaths each quarter of the last Five Years, with the Aggregate and Average Number from 1886 to 1890, inclusive.

	1891.	1892.	1893.	1894.	1895.	5 years, 1886-1890.	
						Aggregate.	Average.
First quarter	2,442	2,098	2,969	2,972	2,995	12,714	2,543
Second quarter	2,540	2,582	2,847	2,592	2,574	11,601	2,320
Third quarter	2,835	2,958	3,013	3,182	3,027	13,694	2,739
Fourth quarter	2,754	2,098	2,881	2,774	2,733	11,960	2,394
Total for each year	10,571	11,236	11,710	11,520	11,329	49,978	9,996

Table XIII. — Total Deaths and Percentages each Quarter for the Year 1895, with Aggregates and Percentages for the Ten Years previous.

	1895.		1885-1894.	
	Deaths.	Per cent.	Deaths.	Per cent.
First quarter	2,995	26.44	28,605	25.43
Second quarter	2,574	22.73	24,646	23.55
Third quarter	3,027	26.72	28,274	27.02
Fourth quarter	2,733	24.12	25,108	24.00
Total	11,329	100.00	104,633	100.00

Table XIV. — Parentage of Children under One, Two, and Five Years for each Month during Year 1895.

	JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY.			JUNE.		
	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.
United States	36	16	24	46	9	12	49	15	17	32	14	15	51	18	10	23	9	8
Foreign	90	43	38	95	30	38	78	31	31	90	28	25	94	27	20	66	22	29
Mixed	26	5	3	26	7	13	25	10	6	20	12	14	28	7	7	21	8	11
One parent known	21	1	1	15	1	4	12	2	1	10	1	1	19	2	1	10	1	3
Unknown	1	1	2	3	1	3	3	1	1	6	1	1	3	1	1	1	1	1
Total	174	66	68	185	47	70	167	58	55	167	55	53	173	54	46	120	40	51

	JULY.			AUGUST.			SEPTEMBER.			OCTOBER.			NOVEMBER.			DECEMBER.		
	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.	Under 1 yr.	1 yr. and under 2 yrs.	2 yrs. and under 5 yrs.
United States	64	15	16	103	13	19	93	14	9	64	9	8	31	14	7	35	12	18
Foreign	147	33	26	214	60	26	155	61	28	120	44	30	71	21	36	50	24	42
Mixed	60	9	12	90	8	6	47	8	7	35	10	6	23	6	10	19	9	14
One parent known	17	2	1	32	3	3	25	2	1	24	1	1	19	1	1	22	1	1
Unknown	2	1	1	8	1	1	5	1	1	3	1	1	3	1	1	4	1	1
Total	290	60	56	456	74	45	325	85	45	246	63	46	147	41	53	130	46	76

Table XVII.¹ — Diseases arranged Alphabetically.

Abortion (criminal)	6
Abscess, unclassified	14
“ of brain	4
“ of liver	4
“ of pelvis	3
“ of thigh	1
Accidents, unclassified	99
“ burns and scalds	50
“ drowned	50
“ elevator	10
“ fall	47
“ fracture of leg	3
“ “ of neck	3
“ “ of thigh	17
“ “ of skull	35
“ “ of spine	7
“ poisoning	13
“ “ by illuminating gas (suicides included)	28
“ railroad	69
“ suffocation	13
Alcoholism	70
Anæmia	14
“ pernicious	16
Aneurism, not located	4
“ aorta	4
Angina pectoris	19
Anus, imperforate	2
Appendicitis	55
Apoplexy	372
Asthenia	10
Asthma	8
Atelectasis pulmonum	16
Asphyxia of new-born	13
Brain, disease of (unclassified)	2
“ abscess of	4
“ congestion of	10
“ embolism of	16
“ inflammation of	6
“ softening of	14
“ tumor of	15
Bronchitis (unclassified)	245
“ acute	46

¹ This table does not include the total number of deaths.

Bronchitis capillary	81
" chronic	67
Cancer (unclassified)	85
" of abdomen	4
" of bladder	4
" of bowels	28
" of breast	38
" of face	10
" of kidney	3
" of liver	36
" of lung	5
" of neck	3
" of œsophagus	2
" of ovaries	2
" of rectum	19
" of stomach	82
" of throat	5
" of tongue	5
" of uterus	60
Cholera infantum	500
" morbus	15
Cellulitis	8
Cirrhosis (of kidney)	2
Cirrhosis of liver	38
Convulsions	33
Croup	66
Cystitis	21
Cyanosis	12
Debility	27
Diabetes	24
" mellitus	11
Diarrhœa	69
Diphtheria	588
Dysentery	43
Embolism (unclassified)	
" of brain	16
" of heart	3
" of lungs	1
Emphysema	2
Empyema	10
Enteritis	64
Entero-colitis	62
Epilepsy	16
Erysipelas	34
Fever, puerperal	14
" scarlet	114
" typhoid	163

Gangrene	12
Gastro-enteritis	192
Glanders	1
Goitre (exophthalmic)	1
Heart disease (unclassified)	557
" dilatation of	16
" embolism of	3
" endocarditis	39
" fatty degeneration of	18
" hypertrophy of	3
" malformation of	7
" pericarditis	11
" valvular	216
Hernia, strangulated	12
Hydrocephalus and tubercular meningitis	200
Homicide	22
Inanition	95
Insanity	23
Jaundice	6
Kidney diseases (unclassified)	8
" Bright's disease of	143
" cancer of	3
" cirrhosis	2
" inflammation of	221
Laryngitis	5
Leucocythæmia	5
Liver diseases (unclassified)	20
" abscess of	4
" cancer of	36
" cirrhosis of	38
" inflammation of	13
Locomotor ataxia	9
Lung diseases (unclassified)	4
" congestion of	19
" œdema of	3
" consumption of	1,349
" embolism of	1
" inflammation of	1,268
Malformation of heart	7
Measles	19
Meningitis	282
" cerebro-spinal	15
Obstruction of bowels	43
Old age	252
Ovarian cancer	2
" tumor	4
Paralysis	75

Prostate gland (disease of)	10
Peritonitis	110
Pleurisy	15
Pneumonia (unclassified)	1,112
" broncho	142
" pleuro	14
Poisoning (accidental)	13
Premature birth	183
Puerperal diseases, not including puerperal fever	37
Pyæmia	5
Rheumatism	21
Scrofula	7
Septicæmia	62
Sarcoma	24
Spinal disease (unclassified)	2
" " Pott's	1
" inflammation	11
Spina bifida	8
Stomach, inflammation of	51
" ulceration of	12
Suffocation (accidental)	13
Suicide	77
Surgical operation (death following)	30
Syphilis	8
" congenital	26
Tabes-mesenterica, and marasmus	408
Teething	14
Tetanus	5
Tonsillitis	2
Tuberculosis	162
Tumor (unclassified)	8
" of abdomen	8
" of brain	15
" of ovary	4
" of uterus	6
Uterine disease, cancer	60
" " tumor	6
Umbilical hæmorrhage	7
Uræmia	24
Whooping-cough	47

CHOLERA INFANTUM.
Comparison of Deaths from Cholera Infantum for Three Months of each Year during a Period of Twenty-five Years, with Temperature and Humidity, also Percentages to the Total Mortality.

CHOLERA INFANTUM.					TEMPERATURE.												
DATE.					June.			July.			August.						
June.	July.	August.	Total Deaths.	Percentage to total Mortality.	Highest Temp.	Lowest Temp.	Mean Temp.	Mean Humid. ity.	Highest Temp.	Lowest Temp.	Mean Temp.	Mean Humid. ity.	Highest Temp.	Lowest Temp.	Mean Temp.	Mean Humid. ity.	
1871	20	245	180	425	7.21	91.	60.	55.9	57.2	92.	57.	70.8	59.2	89.	55.	71.2	71.2
1872	26	327	231	584	7.21	93.5	47.	58.2	71.3	98.5	55.	74.7	67.6	95.	50.	72.4	75.5
1873	19	163	263	450	5.71	93.0	47.	67.8	50.2	96.	55.	73.	69.4	96.	50.	68.9	69.4
1874	12	152	276	440	5.61	98.	49.	66.1	60.1	94.	46.	72.8	62.9	91.	51.	58.1	70.
1875	15	215	268	496	5.47	94.	46.	66.7	64.	93.	54.	71.4	68.1	87.	54.	70.2	75.7
1876	18	220	198	436	5.28	90.	44.	58.1	74.5	96.	52.	73.8	60.4	96.	60.	56.9	68.2
1877	14	206	180	400	5.46	92.	47.	66.9	56.8	91.	57.	70.1	75.9	92.	58.	71.	78.5
1878	6	135	154	295	3.73	92.	45.	64.1	57.	98.	54.	72.9	67.1	87.	53.	67.8	68.8
1879	3	102	175	280	3.78	96.	45.	64.1	70.4	94.	50.	70.	68.8	95.	52.	68.1	72.7
1880	24	179	182	385	4.51	93.	48.	67.3	67.4	101.	52.	70.1	73.2	96.	47.	68.9	72.6
1881	11	104	196	300	3.32	96.	44.	60.6	70.	80.	54.	68.5	73.1	97.	53.	69.5	74.
1882	11	187	197	395	4.39	94.	48.	65.9	63.8	98.	52.	71.7	65.1	92.	51.	70.	66.
1883	23	228	199	450	4.62	90.5	51.	69.	72.9	96.	51.4	71.1	71.7	91.8	48.	67.6	66.8
1884	11	158	179	348	3.61	92.6	42.	66.	74.5	90.3	53.6	69.	75.5	94.3	51.	68.2	84.5
1885	16	226	135	377	3.91	91.9	45.3	68.4	62.	92.8	51.4	71.3	69.8	88.8	47.2	67.4	76.
1886	5	170	151	326	3.51	81.7	50.3	63.1	70.6	95.4	54.5	70.9	69.9	90.4	49.3	67.7	71.7
1887	6	223	175	414	4.10	89.	47.5	64.5	71.7	95.	61.	73.	77.	86.3	52.2	67.1	74.2
1888	6	130	192	328	3.21	96.	49.	68.4	68.	88.	61.	68.3	68.06	88.2	52.	69.	70.7
1889	28	200	124	352	3.43	87.	50.	67.7	79.3	80.	55.	69.	82.2	84.	52.	67.4	78.6
1890	5	178	206	389	3.82	87.	50.	64.2	87.	95.	52.	71.	80.	86.	50.	68.9	75.6
1891	23	206	206	465	4.30	96.	45.	65.	70.8	90.	56.	69.	72.	90.	54.	70.	78.
1892	10	209	196	481	4.28	96.	49.	70.	70.	96.	54.	73.	63.	94.	55.	70.	77.
1893	8	156	177	341	2.91	94.	52.	65.	83.	91.	54.	71.4	68.2	93.	53.	69.6	50.4
1894	13	251	160	424	3.68	95.	47.	69.	70.	97.	56.	73.7	62.6	90.	47.	68.	73.
1895	8	127	182	317	2.79	96.	50.	67.	74.9	85.	54.	69.	72.	89.	50.	70.9	69.

COMPARATIVE DEATHS IN AMERICAN AND FOREIGN CITIES.

The following tables have been prepared to show the comparison of deaths of a few large American and foreign cities, as compared with the city of Boston. It is to be regretted that the amount of information desired is not fully complete, owing to the scarcity of material and information furnished, but in their present condition, as a matter of reference, they may be of value.

Boston.

YEARS.	Population.	Total Deaths.	Population of children under 5 years of age.	Deaths of children under 5 years of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880	362,535	8,531	37,138	3,349	585	33	154	49
1881	397,628	9,016	37,424	3,314	601	35	207	108
1882	410,376	8,995	37,710	3,151	458	75	212	25
1883	427,940	9,740	37,996	3,627	445	211	198	152
1884	427,940	9,622	38,282	3,570	345	200	216	13
1885	400,000	9,618	38,569	3,466	334	156	152	54
1886	400,000	9,268	38,855	3,196	329	81	135	36
1887	400,000	10,073	39,141	3,662	316	195	183	119
1888	415,000	10,197	39,428	3,509	470	65	170	27
1889	420,000	10,259	39,714	3,633	564	23	186	48
1890	448,477	10,181	40,001	3,349	401	42	155	19
1891	459,062	10,571	40,287	3,608	232	64	154	21
1892	469,647	11,236	40,573	3,735	414	262	137	19
1893	487,397	11,710	40,859	3,987	476	248	145	27
1894	501,197	11,520	41,145	4,108	817	192	141	8
1895	501,083	11,329	41,431	3,935	588	114	165	19

Philadelphia, Pa.

YEARS.	Population.	Total Deaths.	Population of Children under 5 years of age. ¹	Deaths of Children under 5 years of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880 ¹	846,980	17,711	¹ 91,544	6,594	323	291	498	108
1881	868,000	19,515	² 92,744	7,124	457	486	645	17
1882	886,530	20,059	94,004	7,254	933	310	650	91
1883	907,041	20,076	95,234	7,417	1,006	561	579	58
1884	927,995	19,999	96,465	7,606	680	540	662	90
1885	949,432	21,392	97,695	8,188	600	375	610	131
1886	971,363	20,005	98,925	7,361	411	245	618	19
1887	993,801	21,719	100,155	8,421	416	159	621	358
1888	1,016,756	20,372	101,386	7,269	350	235	785	24
1889	1,040,245	20,536	102,616	7,752	375	298	736	92
1900 ¹	1,046,964	21,732	¹ 103,847	7,913	528	189	668	105
1891	1,069,264	23,367	105,077	8,479	918	341	654	25
1892	1,092,168	24,305	. . . . .	9,305	1,425	454	639	74
1893	1,115,562	23,655	. . . . .	8,690	692	267	456	88
1894	1,139,457	22,680	. . . . .	8,160	1,047	154	369	33
1895	1,163,864	23,797	. . . . .	8,401	1,020	70	409	84

¹ Census years.² Estimated on the increase of census years.

New York, N.Y.

YEARS.	Population.	Total Deaths.	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880	1,209,268	81,937	146,673	14,650	1,390	615	372	479
1881	1,246,011	38,624	144,947	17,737	2,249	1,964	594	429
1882	1,283,870	37,924	149,351	17,520	1,525	2,066	516	913
1883	1,322,880	34,011	153,889	13,856	1,009	744	625	716
1884	1,363,075	35,044	158,565	15,272	1,090	608	476	762
1885	1,404,401	35,682	163,383	15,267	1,325	559	405	736
1886	1,447,166	37,351	168,347	16,121	1,727	371	433	668
1887	1,491,137	38,933	173,462	16,766	2,167	569	421	767
1888	1,536,444	40,175	178,733	17,358	1,914	1,361	364	591
1889	1,583,120	39,679	184,164	17,152	1,686	1,242	397	470
1890	1,631,232	40,103	189,760	16,305	1,262	408	352	730
1891	1,680,796	43,659	195,525	18,224	1,361	1,220	354	663
1892	1,827,396	44,317	. . . . .	18,589	1,425	975	399	863
1893	1,891,306	44,479	. . . . .	17,914	1,968	552	381	590
1894	1,967,452	41,175	. . . . .	17,596	2,359	541	326	554
1895	1,979,195	43,420	210,523	18,221	1,634	468	322	793

¹ The population is estimated by taking the preliminary figures of the census of 1890 as a basis, and from that and the census of 1880 calculating the intervening numbers. We have no figures for ages since 1890, so that the number under five are estimated to be in the same ratio to the entire population as in 1880.

Chicago, Ill.

YEARS.	Population, Estimated.	Total Deaths.	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880	503,298	10,482						
1881	540,000	13,874						
1882	560,639	13,234		6,645				
1883	580,000	11,555		5,875				
1884	630,000	12,471		6,666				
1885	665,000	12,474		6,187	708	279	496	78
1886	704,000	13,699		6,763	944	220	483	126
1887	760,000	15,409		7,568	1,002	190	381	341
1888	830,000	15,772		7,333	858	184	375	151
1889	1,106,000	16,946		8,204	1,126	185	453	204
1890	1,200,000	21,869		9,954	881	193	1,008	67
1891	1,250,000	27,754		12,801	958	499	1,997	245
1892	1,438,000	28,219		11,602	1,014	382	1,489	185
1893	1,600,000	27,095		12,364	975	329	670	234
1894	1,567,727	23,701		12,363	841	190	491	182
1895	1,600,000	24,319	227,200	10,449	1,775	77	518	158

Brooklyn.

YEARS.	Population.	Total Deaths.	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.	Deaths from Consump- tion.
1885	687,000	15,369	89,310	6,756	519	363	153	175	1,995
1886	747,000	15,790	97,110	7,000	782	340	123	106	2,085
1887	778,000	17,079	101,140	7,577	930	271	143	172	2,026
1888	810,000	18,061	105,300	8,019	984	475	153	59	2,051
1889	842,000	18,480	109,400	8,265	1,101	273	161	205	2,056
1890	875,000	19,827	113,750	8,462	902	227	182	111	2,169
1891	910,000	21,349	118,300	9,388	766	485	180	203	2,117
1892	945,000	20,807	122,850	8,971	775	412	162	168	2,128
1893	980,000	21,017	127,400	8,763	607	307	179	111	2,174
1894	1,045,000	21,193	135,850	9,235	1,279	188	158	204	2,260
1895	1,100,000	22,568	124,000	9,277	1,139	124	173	102	2,299

St. Louis.

YEARS.	Population.	Total Deaths.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlet Fever.	Deaths from Typhoid Fever.	Deaths from Measles.	Deaths from Consumption.
1885	400,000	7,490	3,000	Diph. — Group 372 — 109	164	125	54	885
1886	400,000	8,268	3,434	719 — 100	149	124	6	915
1887	420,000	9,155	3,795	927 — 185	48	116	40	829
1888	440,000	9,015	3,659	561 — 167	30	130	31	800
1889	450,000	8,004	3,149	345 — 94	114	146	63	656
1890	460,000	8,409	3,115	186 — 58	57	140	1	843
1891	480,000	9,530	3,493	350 — 90	96	165	53	809
1892	500,000	10,225	3,607	195 — 91	150	441	7	882
1893	520,000	10,303	3,548	227 — 144	79	215	26	954
1894	540,000	8,710	3,192	240 — 139	29	171	11	875
1895	560,000	9,425	3,373	512 — 171	18	107	38	1,000

London, England.

YEARS.	Population.	Total Deaths.	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880	3,771,180	81,832	497,044	36,220	544	3,100	702	1,521
1881	3,824,960	81,071	497,044	33,325	654	2,108	977	2,533
1882	3,861,876	82,905	497,044	36,259	863	2,004	975	2,329
1883	3,901,164	80,578	497,044	33,552	951	1,989	935	2,420
1884	3,939,832	83,050	497,044	36,030	973	1,444	936	2,285
1885	3,978,883	80,000	497,044	32,913	806	707	585	2,928
1886	4,018,321	82,276	497,044	34,319	846	688	515	2,078
1887	4,058,150	82,304	497,044	35,236	953	1,419	612	2,904
1888	4,098,374	79,099	497,044	32,669	1,311	1,190	594	2,425
1889	4,138,996	76,026	497,044	30,469	1,616	771	538	2,308
1890	4,180,021	89,554	497,044	36,123	1,417	876	515	3,291
1891	4,221,452	90,216	501,558	33,340	1,361	589	547	1,807
1892	4,263,294	87,749	501,558	34,560	1,885	1,174	436	3,393
1893	4,306,411	91,536	501,558	35,200	3,265	1,596	719	1,661
1894	4,349,166	77,039	501,558	31,366	2,670	962	635	3,293

* Estimated.

Paris, France.

YEARS.	Population.	Total Deaths.	Population of Children under 5 yrs. of age. ¹	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880		55,706		17,674	2,048	845	2,003	962
1881	2,239,938	55,103	148,601	17,159	2,211	440	1,955	897
1882		56,854		17,158	2,244	166	3,214	1,003
1883		54,763		16,843	1,781	88	1,880	1,043
1884		55,059		16,068	1,928	156	1,503	1,501
1885		52,726		15,244	1,656	191	1,320	1,524
1886	2,260,945	55,110	146,177	16,193	1,512	403	954	1,210
1887		52,836		15,206	1,585	224	1,385	1,028
1888		51,230		14,463	1,729	193	760	915
1889		54,083		14,679	1,706	170	1,008	1,190
1890		54,566	150,490	15,068	1,668	223	656	1,495
Census of 12th April, 1891 .	2,424,705							
1891 "	2,424,705	54,443	150,490	14,048	1,531	208	549	1,020
1892 "	2,424,705	54,636	150,490	14,353	1,403	198	691	909
1893 "	2,424,705	52,955		13,046	1,266	177	570	677
1894 "	2,424,705	49,205	150,490	11,901	1,009	151	607	983

¹ Estimated, 1891.² Inhabitants of Paris only.

Berlin, Germany.

YEARS.	Population.	Total Deaths. ¹	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age. ²	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
Beginning . . .	1,089,070	.....	142,476	.....	.....	.....	.....	.....
1880 . . . . .	.....	32,823	.....	19,249	1,198	872	527	376
End	1,123,749	.....	183,060	.....	.....	.....	.....	.....
1881 . . . . .	.....	31,055	.....	17,483	1,593	903	352	201
End	1,158,559	.....	143,828	.....	.....	.....	.....	.....
1882 . . . . .	.....	30,465	.....	16,990	1,914	604	357	144
End	1,196,205	.....	146,138	.....	.....	.....	.....	.....
1883 . . . . .	.....	35,056	.....	19,902	2,651	867	222	1,173
End	1,232,716	.....	144,464	.....	.....	.....	.....	.....
1884 . . . . .	.....	32,932	.....	18,440	2,446	395	243	295
End	1,271,677	.....	144,620	.....	.....	.....	.....	.....
1885 . . . . .	.....	31,483	.....	15,558	1,816	400	214	406
End	1,315,656	.....	146,227	.....	.....	.....	.....	.....
1886 . . . . .	.....	34,293	.....	19,215	1,535	271	181	565
End	1,363,931	.....	.....	.....	.....	.....	.....	.....
1887 . . . . .	.....	30,336	.....	15,777	1,305	257	193	223
End	1,415,269	.....	.....	.....	.....	.....	.....	.....
1888 . . . . .	.....	29,295	.....	15,076	1,018	201	188	364
End	1,472,161	.....	.....	.....	.....	.....	.....	.....
1889 . . . . .	.....	34,460	.....	18,394	1,189	244	290	201
End	1,528,721	.....	.....	.....	.....	.....	.....	.....
1890 . . . . .	.....	33,393	.....	17,630	1,492	293	143	441
End	1,579,524	.....	*164,370	.....	.....	.....	.....	.....
1891	1,601,327	.....	.....	16,800	1,010	150	166	130
1892	1,656,715	32,606	172,378	16,319	1,325	53	137	217
1893	1,714,938	36,032	.....	.....	1,578	582	161	541
1894	1,655,235	30,961	170,200	14,649	1,361	448	69	203

¹ Census of December 1, 1890.² Excluded: Still-born, 1,749, 1,771, 1,759, 1,707, 1,778, 1,848, 1,710, 1,761, 1,756, 1,789, 1,473.

Vienna, Austria.

YEARS.	Population.	Total Deaths.	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria and Croup.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880	721,016	20,453	58,023	8,210	597	172	171	98
1881	731,208	21,549		8,224	539	286	171	106
1882	740,910	21,505		8,903	522	410	187	203
1883	750,762	21,194		7,930	360	150	157	246
1884	759,849	20,353		7,688	342	130	95	344
1885	769,869	21,976		8,668	464	83	106	259
1886	780,066	20,809		8,114	546	124	85	338
1887	790,381	20,549		7,912	455	391	80	498
1888	800,836	20,349		7,547	421	230	107	253
1889	811,434	20,106		7,624	513	159	103	364
1890	822,176	20,324	69,710	7,853	536	92	77	459
1891	1,378,530	34,479	130,808	15,610	1,311	271	85	855
1892	1,406,933	35,134		16,843	1,580	242	116	925
1893	1,425,931	34,515	130,808	15,002	1,615	311	105	1,225
1894	1,465,637	33,944	140,545	15,073	1,679	413	74	898

Enumerated 1890.

Glasgow, Scotland.

YEARS.	Population.	Total Deaths.	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1880		13,303		6,071	150	453	278	331
1881 Census	511,415	12,909	69,931	5,386	162	256	166	333
1882		12,985		5,972	177	263	162	213
1883		14,476		6,494	132	449	167	605
1884		13,839		6,174	157	412	184	335
1885		13,444		6,156	112	288	102	430
1886		13,053		5,601	111	345	51	90
1887		12,055		5,367	174	234	100	302
1888		11,533		4,743	168	163	59	205
1889		12,990		5,970	167	109	111	594
1890		13,222		5,768	139	124	108	583
1891 Census	565,710	14,149	72,481	5,432	131	201	123	400
1892	669,059	15,128	84,860	6,306	162	304	102	781
1893	677,883	16,798	85,968	6,953	208	263	120	855
1894	686,820	13,674	87,103	5,326	245	204	150	250

Liverpool, England.

YEARS.	Population.	Total Deaths.	Population of Children under 5 yrs. of age.	Deaths of Children under 5 yrs. of age.	Deaths from Diphtheria.	Deaths from Scarlatina.	Deaths from Typhoid Fever.	Deaths from Measles.
1884	541,031	14,382		6,908	80	197	112	611
1885	537,548	13,764		6,213	133	190	95	716
1886	534,088	13,919		6,152	125	277	140	273
1887	530,649	14,006		6,218	95	321	130	661
1888	527,233	12,159		5,070	60	187	125	331
1889	523,838	13,047		5,921	57	352	167	485
1890	520,466	14,293		6,319	104	577	99	535
1891	517,145	13,911		5,697	63	119	92	320
1892	513,818	12,671		5,322	47	131	111	456
1893	510,514	13,919		6,035	47	231	221	273
1894	507,230	12,073	64,544	5,214	65	232	248	299

CONTAGIOUS DISEASES.

The number of cases of contagious diseases reported to the Board of Health for the year 1895 was 9,430, against 7,854 in 1894. The number of deaths from the same diseases in 1895 was 884, against 1,180 in 1894. There were reported 4,059 cases and 588 deaths from diphtheria; 1,612 cases and 114 deaths from scarlet fever; 2,733 cases and 19 deaths from measles; 1,026 cases and 163 deaths from typhoid fever.

Scarlet fever has presented the mildest type of the disease seen for many years. Measles and typhoid fever have presented no unusual features, and small-pox has not been found during the year. One case of leprosy was found in the city and removed to Gallop's Island Hospital in August.

DIPHTHERIA.

The Board of Health first called for reports of cases of diphtheria in 1878, and the foregoing table shows the reported cases and deaths and the percentage of reported deaths to the reported cases. The average annual number of cases reported is 1,602, and the average annual number of deaths 456. It will be noticed that for the seventeen years (1878 to 1894 inclusive) the annual number of cases of diphtheria and the mortality from this disease have been uniformly large. The annual percentage of deaths to the reported cases have ranged from 27.06 to 35.7, with an annual average of 30.74.

In our last annual report we predicted a decrease of diphtheria for the year 1895 by reason of our prospective increased facilities for dealing with this disease. The use of antitoxine and the diligent watchfulness of our medical agents throughout the year have been potent factors, as we predicted they would be, in lowering the mortality of the disease and in preventing its spread. The new and adequate hospital for contagious diseases was not opened for use until more than half of the year had passed, so that the full benefits of needful isolation in hospital was not realized, although its use during the last few months of the year has been fully appreciated.

BACTERIOLOGY.

The bacteriological work in culture diagnosis of diphtheria, begun by the Board of Health in October, 1894, has been continued at the Harvard Medical School Laboratory

under the charge of Professor Harold C. Ernst. The work has increased greatly in amount and in its importance in the control of diphtheria. Cost of plant was about \$1,000; average monthly expense for maintenance, \$212.50

ANTITOXINE.

The preparatory work for the production of antitoxine for diphtheria began in November, 1894, and detailed in our last annual report, was completed in July, 1895, when the first serum was obtained from the immunized horses. We have now six horses in excellent condition which can supply about 400 doses or 4,000 cubic centimeters a month. The cost of the plant at Gallop's Island, for this purpose, has been \$2,704.59.

The cost of preparations at the laboratory of the Harvard Medical School for same plant has been \$1,762.75.

Total expenses of the plant, \$4,467.34.

The cost of maintenance has averaged \$288.49 per month.

The City Hospital, Children's Hospital, and the Boston Dispensary have been fully supplied with this serum. The surplus has been delivered free of expense to physicians, who make detailed returns of the cases to which they apply the serum. The question of the extent and method of supplying this remedy by the Board of Health being clearly one for the City Council to settle, the following communication was sent to the City Council on November 14, 1895:

To the Honorable City Council, City of Boston:

GENTLEMEN: The Board of Health respectfully represents that its plant for the production of antitoxine is now producing about 3,000 cubic centimeters of the antitoxine per month, and is able to meet the demands of the City Hospital, the City Dispensary, the Children's Hospital, and has a moderate surplus on hand which might be disposed of otherwise. The Board respectfully requests that the City Council establish, by ordinance or otherwise, the extent to which it may produce and furnish antitoxine to the departments and citizens of Boston, with such conditions as may seem proper.

Very respectfully,

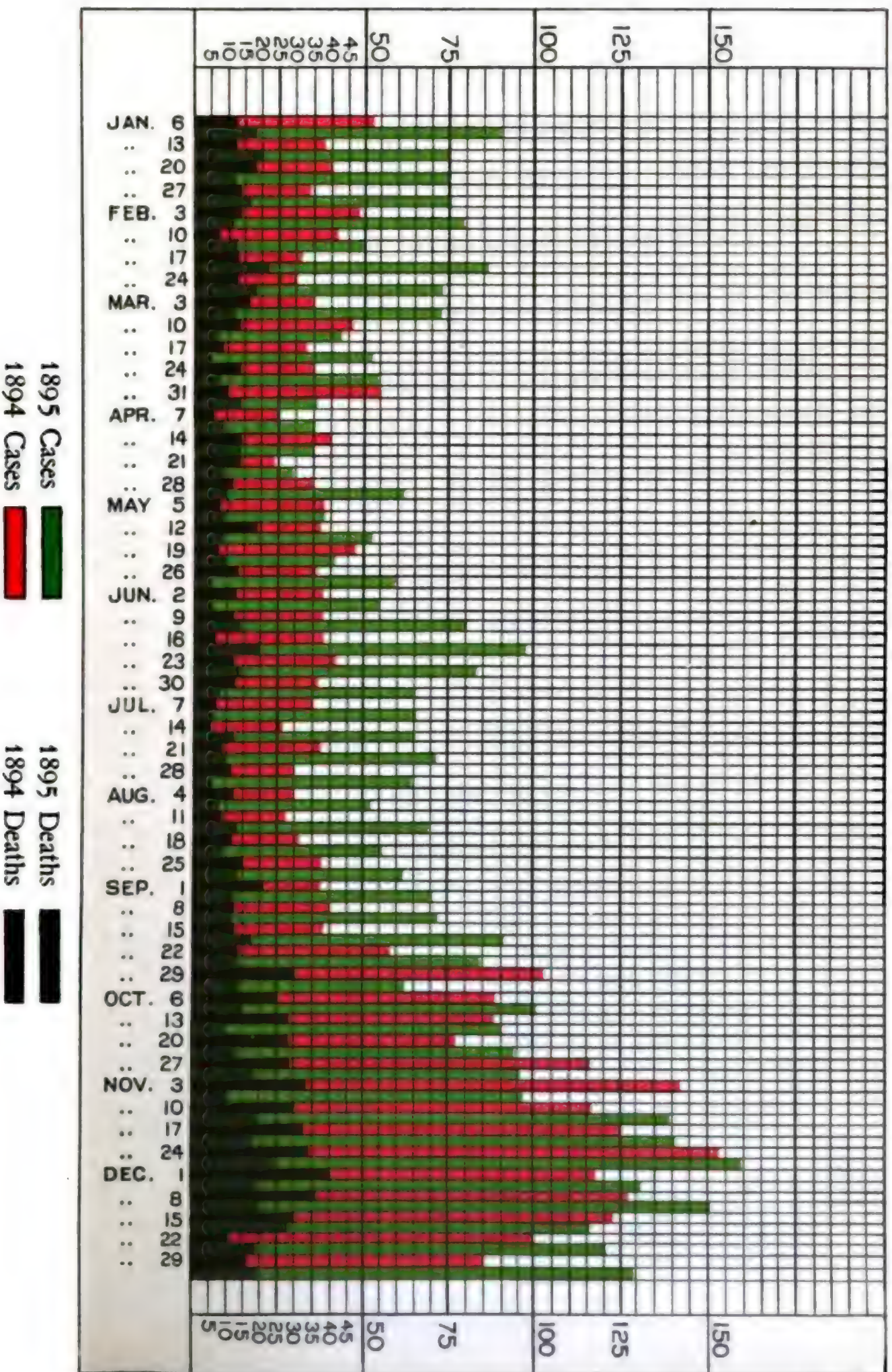
THE BOARD OF HEALTH,

S. H. DURGIN,

Chairman.

The question will, undoubtedly, be settled in the ordinances of the city which are now undergoing revision.

Cases and Deaths from Diphtheria each week during the year 1895, compared with the corresponding weeks in 1894.



MEDICAL INSPECTION OF SCHOOLS AND SUPERVISION OF
CONTAGIOUS DISEASES.

The inspection of schools, which was commenced in November, 1894, and described fully in our last annual report, has been followed through the year with excellent results. The schools have been visited daily, and all children who have complained of illness or appeared to the teachers to be ill have been examined by the visiting physician who, in all cases, advises the teachers what to do with the pupil. This work has now been in progress for fourteen months, and it has demonstrated the fact that there are not only many cases of contagious diseases to be found in the schools, and which require early recognition and removal, but that there are large numbers of school children whose illness and whose disposition by the teacher requires the decision of a competent physician. The work has disarmed all opposition, and, so far as we know, has the approval of the school government and the community at large, and has fully met the expectations of the Board of Health. We hope to still further develop the usefulness of this work during the coming year.

For the fourteen months ending December 31, 1895, 16,790 pupils were examined, 10,737 of whom were found to be ill; 6,053 were found not to be ill, and 2,041 of these were too ill to remain in school for the day.

Seventy-seven cases of diphtheria; 28 cases of scarlet fever; 116 of measles; 28 of chicken-pox; 69 of pediculosis, 47 of scabies; 47 of mumps; 33 of whooping-cough, and 8 of congenital syphilis were found in children sitting in their seats spreading these diseases to other children. The remaining 10,372 sick children were suffering from a large variety of other diseases.

The same corps of physicians act as agents of the Board of Health, and see all cases of diphtheria and scarlet fever which are treated at their homes. They report to the Board of Health whether or not the cases are properly isolated, and otherwise furnish the Board of Health with trustworthy information for its action concerning the isolation and discharge of cases of diphtheria and scarlet fever.

For the information of physicians the following circular was issued in January :

CITY OF BOSTON.

HEALTH DEPARTMENT,
OLD COURT HOUSE, January 1, 1896.

To the Physicians of Boston :

GENTLEMEN: The Board of Health respectfully calls your attention to the enclosed regulation and cards which have been prepared, and are being used, with other means, to check the spread of contagious diseases.

The Board of Health has the authority and is charged with the duty, under the statute law, of taking official charge of any case of contagious or infectious disease which may be dangerous to the public health. It prefers that such cases only as cannot be properly isolated at home be sent to the hospital, and that all others be attended by the family physician at home and nursed and provided for by any safe and proper method which may be chosen by the family. The isolation of such cases at home must be satisfactory to the Board of Health, and be so certified by its authorized medical agent in the district in which the patient is found. Such patient cannot lawfully leave such isolation until released by a written discharge from the Board of Health,—small-pox, diphtheria, membranous croup, and scarlet fever being particularly held in view at this time.

The Board of Health has appointed fifty physicians, who are known as school inspectors and agents of the Board of Health. Their duties are to visit the public schools daily, to examine all sick or complaining pupils, and to advise the teachers concerning them.

They will decide all questions concerning the school attendance of such children as live within the same building, but not of the same household, in which there is a case of contagious disease. Such cases must either be so isolated as not to endanger the health and liberty of other families or must be taken to the hospital.

They also visit every case of diphtheria, membranous croup, and scarlet fever reported; first, concerning the patient's isolation, and, second, concerning his discharge from isolation, in accordance with the following regulation of the Board of Health :

CITY OF BOSTON.

HEALTH DEPARTMENT, July 1, 1895.

At a meeting of the board of health, this day, the following regulation was adopted :

1. — Whoever is infected with small-pox, scarlet fever, diphtheria, or membranous croup shall immediately proceed to some isolated place or room designated by the board of health, and no person who has been so affected shall leave such place or room, and no article shall be removed from such place or room, until the board of health shall certify in writing that all danger of communicating such disease to others is passed.
2. — Every parent or guardian of any child or ward infected with small-pox, scarlet fever, diphtheria, or membranous croup shall immediately cause such child or ward to be conveyed to some isolated place or room approved by the board of health, and no parent or guardian shall permit such child or ward to remove from such place or room until the board of health shall find and certify in writing that all danger of communicating such disease to others has passed.
3. — No person other than the attending physician, nurse, and agents of the board of health shall enter any apartment or other place set apart

for the treatment of small-pox, scarlet fever, diphtheria, or membranous croup until the board of health shall certify in writing that such apartment or place has been satisfactorily disinfected.

- 4 — No person having the care of any other person who has been affected with small-pox, scarlet fever, diphtheria, or membranous croup shall advise or permit such other person to leave any place designated by the board of health as a place of isolation of such infected person before said board of health shall have certified in writing that such person can leave such designated place without danger to others.
5. — No physician who has been in attendance upon any person who has been infected with small-pox, scarlet fever, diphtheria, or membranous croup shall advise or knowingly permit such person to leave any place designated by the board of health as a place of isolation of such infected person before said board of health shall have certified in writing that such infected person can leave such place without danger to others.

Card No. 1 is to be used by all physicians in complying with the statute law for the immediate report of cases of contagious disease, and reads as follows:

No. 1.

Boston, _____ 189

The Board of Health is hereby notified that _____
 age, _____ years, living at No. _____ Ward _____
 is ill with _____. The first symptoms occurred
 on _____, _____ he attends _____ school.
 [DATE.] _____ M.D.

Is patient going to Hospital? _____

Note.— Physicians are expected, under the law, to report EACH case of diphtheria, membranous croup, scarlet fever, cholera, small-pox, measles, chicken-pox, typhus fever, and typhoid fever to which they may be called.

Note.— In unnumbered streets a favor will be conferred by stating, in addition to the name of the street, the nearest cross street.

Card No. 2 is a warning to the public of a contagious disease in compliance with the statute law, and reads as follows:

No. 2.**NOTICE**

of a case of

DIPHTHERIA.

When the danger from contagion has passed this card will be removed.

By order,

BOARD OF HEALTH.

Any person removing this card without authority is liable to a fine of One Hundred Dollars.

(Similar cards for other contagious diseases.)

Card No. 3 constitutes a courteous note from the agent of the Board of Health to the attending physician, and reads as follows:

No. 3.

Office of Board of Health,

Boston, _____ 189

Doctor _____

I have just now made an official visit at the house of your patient

_____ at _____ for the

Board of Health. It will be my duty to coöperate with you in maintaining the necessary isolation of the patient, and, on notice from you or the family of the termination of the disease, to see the patient and certify the facts required by the Board of Health for its action.

Respectfully,

Agent, Board of Health.

Address, _____

Card No. 4 gives the approval or disapproval of the isolation by the agent of the Board of Health, and reads as follows:

No. 4.

Boston, _____ 189

I hereby _____ approve the place and plan of isolation which is being carried out in the case of _____ suffering with

_____ at _____ Ward _____

Recently attended _____ School.

- M.D.,

Agent Board of Health.

Card numbered 5 is used to designate the apartment occupied by the patient and designated by the Board of Health as a place of isolation of the patient, and reads as follows:

No. 5.**SCARLET FEVER.**

This door opens to an apartment designated and set apart by the Board of Health, City of Boston, for the isolation of a patient suffering from scarlet fever.

(Similar card used for other diseases.)

Card No. 6 is from the attending physician to the agent in the district calling for final inspection (not a necessity in diphtheria), and reads as follows:

No. 6.

Boston, _____ 189

Dr. _____

Agent Board of Health.

Sir:

My patient _____, at No. _____

_____ Street, is ready for the action of the Board of Health.

Culture reported negative. (date) _____

Desquamation ceased. (date) _____

Attending Physician.

Card No. 7 is a statement of the agent to the Board of Health and is a warrant for disinfection of apartments and release of patient from isolation by the Board of Health and reads as follows:

No. 7.

Boston, _____ 189

To the Board of Health:

Gentlemen:

I have this day examined _____ recently ill with _____, at No. _____ Street, Ward _____, and recommend the disinfection of rooms, removal of card of warning, and release of patient from isolation, on * _____

Respectfully,

Agent, Board of Health.

* Date. _____

Card No. 8 is issued by the Board of Health and delivered to the householder by the disinfecting officer when his work has been done, and reads as follows:

No. 8.

CITY OF BOSTON,

Health Department,

_____ 189

This is to certify that the household situated No. _____ lately infected with _____ has been disinfected to the satisfaction of the Board of Health, and that all persons living therein, and all articles contained therein, can be removed without danger of communicating such disease to others.

THE BOARD OF HEALTH,

Secretary.

Card No. 9 is made necessary by Chap. 198 of the Acts of 1885 (found below), is issued by the School Board, and reads as follows:

No. 9.

N.B. — CANCEL WORDS NOT APPLICABLE.

Boston, _____ 18

I hereby certify that TWO WEEKS have elapsed

since { death, recovery, removal, } in the last case of { Small-Pox, Diphtheria, Scarlet Fever, Measles, } in the house-

hold of _____ residing at No. _____ Street,
Ward _____

_____ M.D.

By isolation the Board of Health means complete and continued separation of the patient from all other persons, except the attending physician and nurse, from the beginning of the illness until disinfection has been done and the written release from the Board of Health delivered to the patient or those having the patient in charge. In all cases of doubt the patient should be placed in isolation until such time as the attending physician, using all available means, may ascertain the evidence of contagion or infection, and then be immediately reported to the Board of Health. In cases of diphtheria and membranous croup there must be at least one negative culture reported by the bacteriologist, and in cases of scarlet fever all desquamation from the fever must have ceased and this fact reported by the district agent before disinfection will be done or the discharge of the patient be authorized by the Board of Health. The reason and necessity for this will be apparent to all physicians.

All possible haste will be used by the Board of Health to disinfect rooms, etc., and release patient, on receipt of the prescribed statement from its medical agent, whose address will be found on card No. 3. The agent of the Board of Health will not, in any way, encroach upon the duties or rights of the family physician, in the performance of his duties, while examining into the isolation of the patient, his visit preliminary to the discharge of the patient from isolation, or his medical inspection of schools; and we bespeak and anticipate a continuance of the pleasant relations which now exist between our agents and the medical profession throughout the city.

THE BOARD OF HEALTH,

S. H. DURGIN, M.D.,

Chairman.

List of names of School Inspectors and Agents, Board of Health:

DR. H. D. ARNOLD, 188 Warren street, Roxbury.

" S. H. AYER, 318 Shawmut avenue.

" W. B. BANCROFT, 597 Broadway, South Boston.

" W. S. BEAUMONT, 23 Alveston street, Jamaica Plain.

" W. S. BOARDMAN, 7 Bowdoin square.

" J. P. BROIDRICK, 67 South street, Jamaica Plain.

- Dr. JOHN S. BROWNRIGG, 16 Delle avenue, Roxbury.
 " A. B. COFFIN, 506 Washington street, Dorchester.
 " R. M. COLE, 456 Broadway, South Boston.
 " D. A. COLLINS, 11 Parmenter street.
 " GEO. A. CRAIGIN, 405 Marlboro' street.
 " J. T. CUTLER, 633 Warren street, Roxbury.
 " J. R. DRAPER, 512 Broadway, South Boston.
 " JOHN DUFF, 5 Dexter row, Charlestown.
 " D. G. ELDREDGE, 15 Monadnock street, Dorchester.
 " WM. H. ENSWORTH, 7 Chelsea street, East Boston.
 " WM. E. FAY, 571 Tremont street.
 " WM. H. GRAINGER, 408 Meridian street, East Boston.
 " E. M. GREENE, 49 Hancock street.
 " J. S. GREENE, 1107 Washington street, Dorchester.
 " E. M. HOLDEN, 203 Huntington avenue.
 " F. C. JILLSON, Hastings street, W. Roxbury.
 " A. S. KNIGHT, 295 Beacon street.
 " H. E. MARION, 5 Sparhawk street, Brighton.
 " O. H. MARION, 22 Harvard street, Allston.
 " WM. J. McNALLY, 172 Bunker Hill street, Charlestown.
 " R. M. MERRICK, 15 Adams street, Dorchester.
 " G. P. MORRIS, 599 Broadway, South Boston.
 " T. J. MURPHY, 372 Dudley street, Roxbury.
 " E. H. NICHOLS, 220 Marlboro' street.
 " J. F. O'BRIEN, 401 Bunker Hill street, Charlestown.
 " EDW. F. O'SHEA, 40 Chelsea street, East Boston.
 " J. C. D. PIGEON, 130 Warren street, Roxbury.
 " H. L. PLUMMER, 696 Saratoga street, East Boston.
 " W. H. PRESCOTT, 285 Marlboro' street.
 " H. S. ROWEN, 237 Market street, Brighton.
 " J. H. SHERMAN, 534 Broadway, South Boston.
 " H. L. SMITH, 156 Newbury street.
 " F. W. STUART, 550 Broadway, South Boston.
 " ROBERT SWIFT, South street, Roslindale.
 " W. F. TEMPLE, 240 Huntington avenue.
 " J. M. THOMPSON, 33 Hollis street.
 " A. H. TOMPKINS, 20 Seaverns avenue, Jamaica Plain.
 " E. A. TRACY, 99 Broadway, South Boston.
 " E. T. TWITCHELL, 35 Alban street, Dorchester.
 " GEO. A. WEBSTER, 28 Greenwich park.
 " FRANK E. BATEMAN, Dexter row, Charlestown.
 " JOHN W. DEWIS, 579 Tremont street.
 " JOHN E. BUTLER, 310 Warren street, Roxbury.

Following is a list of the stations for diphtheria culture tubes, supplied by the Board of Health for use of all physicians of Boston. Culture tubes should be returned to the station from which they are taken, before 4 o'clock, P.M., or sent to the Medical College, corner Exeter and Boylston streets, on the day of making the culture.

- B. F. STACEY, 4 Thompson square, Charlestown.
 C. HERBERT PACKARD, 46 Maverick square, East Boston.
 GEO. H. ALEXANDER, 100 Dorchester street, South Boston.
 ALEX H. COPLEY, 45 Hancock street, Dorchester.
 CHAS. B. ROGERS & CO., 701 Centre street, Jamaica Plain.
 SAMUEL T. JEFFERS, Jr., 738 South street, Roslindale.
 I. P. GAMMON, 150 Dudley street, Roxbury.
 T. T. REID, 3101 Washington street, Eggleston square.
 S. A. D. SHEPPARD & CO., 1129 Washington, cor. Dover street.
 A. W. TILTON, 71 Prince street.

G. B. SQUIRE, 65 Cambridge street.
 HENRY CANNING, 57 Chambers street.
 WM. D. WHEELER, Massachusetts avenue, cor. Beacon.
 WM. D. WHEELER, 393 Cambridge street, Allston.
 FREDERICK W. ARCHER, 1193 Washington street, Dorchester.
 HARVARD MEDICAL SCHOOL, cor. Boylston and Exeter streets.
 IS. B. KRONBERGER, 996 Washington street.
 T. METCALF & CO., 39 Tremont st., and Copley sq. cor. Clarendon st.
 C. J. COUNTIE, Chestnut street, cor. Charles street.
 G. W. WARREN, 343 Washington street, Brighton.
 F. W. MOORE, 377 Cambridge street, Brighton.

[EXTRACT FROM THE PUBLIC STATUTES.]

SECTION 75. When a disease dangerous to the public health breaks out in a town, the board shall immediately provide such hospital or place of reception for the sick and infected as is judged best for their accommodation and the safety of the inhabitants, which shall be subject to the regulations of the board; and the board may cause any sick and infected person to be removed thereto, unless his condition will not admit of his removal without danger to his health, in which case the house or place where he remains shall be considered as a hospital, and all persons residing in or in any way concerned within the same shall be subject to the regulations of the board as before provided.

If dangerous disease breaks out, board to provide hospital, etc.
 P. S., c. 80.
 § 75.

SECT. 76. When such disease is found to exist in a town, the selectmen and board of health shall use all possible care to prevent the spreading of the infection, and to give public notice of infected places to travellers, by displaying red flags at proper distances, and by all other means which in their judgment shall be most effectual for the common safety. And whoever obstructs the selectmen, board of health, or its agent, in using such means to prevent the spreading of the infection, or wilfully removes, obliterates, defaces, or handles the red flags or other signals so displayed, shall forfeit for each offence not less than ten nor more than one hundred dollars.

Selectmen to give notice of infected places.
 P. S., c. 80.
 § 76.

The school committee shall not allow any pupil to attend the public schools while any member of the household to which such pupil belongs is sick of small-pox, diphtheria, or scarlet fever, or during a period of two weeks after the death, recovery, or removal of such sick person; and any pupil coming from such household shall be required to present, to the teacher of the school the pupil desires to attend, a certificate, from the attending physician or board of health, of the facts necessary to entitle him to admission in accordance with the above regulation.

School committee not to allow children sick with contagious diseases to attend school.
 Certificate of recovery required.
 1885, 198, § 1.

SCHOOL-HOUSES.

The ordinary complaints, inspections, and repairs of minor sanitary defects of the school-houses have had the usual attention the past year. In the autumn, however, several cases came to our notice in which the sanitary defects were sufficiently serious to warrant summary action on the part of the Board of Health and of the School Board. Several schools were suspended for brief periods, while changes in the sanitary appliances were being made. Considerable interest in school districts and in the community was aroused. An interview between the Mayor and members of the Board of Health, about that time, resulted in His Honor's asking

for a list of school-houses with which there were connected such bad sanitary appliances as we would have abolished at once.

The following communication and a list of school-houses, omitted here, were sent :

NOVEMBER 1, 1895.

HON. E. U. CURTIS, *Mayor* :

DEAR SIR: In compliance with your request the Board of Health caused an examination of the privy vaults connected with the school-houses of the city, and respectfully reports that in addition to those which have been recently reported and which are now undergoing changes, the following list of privy vaults are found to be in an offensive and objectionable condition.

The Board would also respectfully report that there are many instances of overcrowding and lack of ventilation of school-rooms, and that a small list of the worst ones will be transmitted to you within a few days.

Very respectfully,

THE BOARD OF HEALTH,
by S. H. DURGIN, *Chairman*.

The Mayor having expressed a desire to meet any urgent demands for sanitary improvements in the school-houses, the Board of Health promised, as will be seen in the foregoing communication, to make another list of school-houses in which overcrowding and the lack of ventilation required early attention. The preparation of the second list, however, was deferred on account of a proposition made to the Board of Health by a Committee of the Association of Collegiate Alumni. This committee, with the aid of experts from the Institute of Technology, proposed an examination of the school-houses similar to that which was made by the Board of Health in 1889, and reported, with recommendations, to the City Council. The Board of Health cordially approved the committee's proposition and offered every facility and aid in its power. This work is now in progress. The Board of Health is gratified at the emphatic position taken by His Honor the Mayor, in his inaugural address to the new City Council on the school-house question, and by his subsequent act in appointing a committee of experts on ventilation and sanitary architecture. This committee is expected to utilize the data furnished by the examinations now in progress, and to make such other examinations as may be considered necessary, and to report to the Mayor the deficiencies found in ventilation, heating, and the sanitary appliances, the practical and efficient methods of correcting such faults in the old school-houses, and suggestions for future school-house construction.

The Board of Health, therefore, refrains from any additional recommendations at this time, believing that there is every reason to expect the best results from the process now in full operation under the direction of the Mayor.

In view of the fact that contagious diseases may easily be spread in the schools through the medium of infected books, pencils, sponges, slates, desks, and other surfaces of the school-room, handled or used by the children, the following recommendation was made to the School Committee in 1894:

HEALTH DEPARTMENT, OLD COURT-HOUSE,
BOSTON, November 27, 1894.

To the Honorable School Committee, City of Boston:

GENTLEMEN: The Board of Health begs respectfully to recommend that the desks, chairs, window-sills, wainscotings, doors, door-knobs, and such other surfaces as are likely to be handled by the children within the school buildings, be carefully rubbed with cloths or sponges, wet with a solution of corrosive sublimate (one part of corrosive sublimate to 1,000 parts of water), as often as every Saturday during the school year; that the floors of the school-houses be well covered with sawdust, thoroughly wet with the same disinfecting solution, at least once a week, and the sawdust swept up and burned; that the use of all slates, slate-pencils, and sponges for slate use be discontinued, and that paper and lead-pencils be substituted.

The disinfection of books is scarcely practicable except by fire, and the Board would recommend, whenever it is known that a book has been handled by a pupil who was, at the time, affected with a contagious disease, or the book is otherwise much soiled, it be immediately burned.

Very respectfully,

THE BOARD OF HEALTH,

By S. H. DURGIN,

Chairman.

The following action was subsequently taken by the School Committee:

REPORT OF COMMITTEE ON HYGIENE AND PHYSICAL TRAINING.

DECEMBER 11, 1894.

The Committee on Hygiene and Physical Training, to whom was referred — October 27 — an order "that the Committee on Hygiene and Physical Training consider and report what action, if any, can be taken by this Board to disinfect, or render aseptic, the school-books used in the schools," report that careful consideration was given to the order, but no practical method could be found.

Up to this time nothing but fire is considered a sure disinfectant, therefore the books could be rendered aseptic only by destruction at stated intervals. As this committee does not feel at liberty to recommend this action, they have no suggestion to offer concerning the disinfection of books; however, that it will be entirely practicable to discontinue the use of slates and slate-pencils, and the necessary accompaniment, sponges. There are three good reasons why the use of slates and slate-pencils should be discontinued:

First, a light gray mark upon a slightly darker gray surface is more or less indistinct, and trying to the eyesight.

Second, the resistance of the hard pencil upon the hard slate is tiring to the muscles, and the resistance, to which the muscles are trained by

the use of slates and slate-pencils, must be overcome when beginning to write with pencil or pen upon paper.

Third, and last, but not least, the use of slates, slate-pencils, and sponges is a very uncleanly custom, and leads to and establishes very uncleanly habits.

The committee also deprecates the custom of the daily distribution and regathering of lead-pencils, for the reasons which must be apparent to all after a moment's consideration. The pencil not infrequently finds a resting-place between the teeth and lips, and it is hardly to be supposed that the same pencil will be given to the same pupil the next day.

The committee, therefore, recommend the passage of the following orders:

Ordered, That the use of slates and slate-pencils and sponges be discontinued, and that paper, lead-pencils, and rubber erasers be supplied in their places.

Ordered, That lead-pencils and erasers be given to each pupil at the beginning of the term, to be retained by the pupil for his sole use during the school year.

June 25, 1895.

Ordered, That the Committee on Accounts be requested to direct janitors to cover during the summer vacation all the floors of school-houses with sawdust wet with a solution of bicloride of mercury (one part of bicloride of mercury to 3,000 parts of water), and sweep the sawdust before it becomes dry; also sponge off all chairs, desks, window-sills, wainscotings, doors, and door-knobs with a solution of the same strength, and wipe off with a wet cloth before they become dry. All applications may be made with a sponge or cloth mounted upon a handle or stick, so that the hands need not be put into the solution.

DIPHTHERIA.

A detailed account of the work of culture diagnosis of diphtheria and the production of antitoxine will be found in the following report by Prof. Harold C. Ernst:

BOSTON, January 15, 1896.

GENTLEMEN: I have the honor of presenting herewith a report of the work carried on by me for your Board during the past year.

As you are aware, I have conducted two branches, — the cultural examination of suspected cases of sore throat; and the production and distribution of the antitoxine of diphtheria.

I.

The Cultural Diagnosis of Cases of Sore Throat.

This was begun under your official sanction and support, on the 1st of November, 1894, and has been continued during the intervening time, with apparently increasing satisfaction on the part of the medical profession at large.

The only complaint that I am aware of is the occasional occurrence of cases of diphtheria in which the bacilli have persisted in cultures for what has seemed to the patients an

unreasonably long time, and from what has been said, it might be thought that this happens more frequently than is actually the case.

To determine this point, I have made out the following table from all cases that have been sent to the laboratory for examination from September 1, 1895, to January 1, 1896:

Total number of cases	2,443
Cases showing bacilli of diphtheria	909
Number of cases running over two weeks before a negative culture was obtained	116
Negative culture between 2 and 3 weeks	63
“ “ “ 3 “ 4 “	30
“ “ “ 4 “ 5 “	11
“ “ “ 5 “ 6 weeks	7
“ “ “ 6 “ 7 “	4
“ “ “ 7 “ 8 “	1
Total	116

From this it appears that 93 of the cases kept over two weeks were discharged, so far as this examination is concerned, before the end of four weeks, and that only 23 out of 909 were kept in quarantine for a longer time.

Taking into consideration the very large number that were discharged in a shorter time than two weeks, — much shorter than was formerly considered wise, — and the added safety that is given by keeping these “delayed” cases under observation, it does not seem as if any reasonable person could object, even at the expense of apparent hardship, in a few cases. This apparent hardship is certainly for the benefit of the community if not for that of the patient.

The chart submitted herewith is more eloquent than anything else that could be presented in showing the amount of work done in this direction for your Board.

It presents in three curves, and by weeks, the number of cases received from the official beginning of the work up to January 1, 1896; the number of new cases received each week, and the number of cases in which the bacilli of diphtheria were found, in the upper, middle, and lower curves, respectively.

Beginning with the 1st of November, 1894, the number rises very rapidly until it reaches its maximum (with one exception) in the first week of December, 1894. There is a sharp fall in the number of cases sent in, in the weeks of December 23 to January 6, corresponding to the closing of the schools. The rise during the weeks from January 21

to February 10, and the one which reaches its height in the week of March 11 to 17 are due to an extra amount of activity at the Children's Hospital; during these periods many cases were sent in from there for experiment, and the increased number of examinations is not accompanied by an increase in the number of cases of diphtheria.

The number of cases sent in in any one week was lowest from August 26 to September 1 (70); highest, December 2 to 8 (265).

The number of *new* cases was lowest August 19 to 25 (46); highest, December 3 to 9, 1894 (94). The number of cases of diphtheria found was lowest April 1 to 7 (6); highest, November 25 to December 1, 1895 (66).

The total examinations made for the whole period have been 8,644; the lowest daily average for any month was 11, during August and September, and the highest 33, during December, 1895. The daily average of November, 1894, was 13; the daily average of November, 1895, was 28; of December, 1894, 27; of December, 1895, 33, showing a marked increase in the use of this method of diagnosis by the profession.

The total number examined in November, 1894, was 397; in November, 1895, 835; in December, 1894, 823; in December, 1895, 1,023.

There were sent in 402 cases showing no growth, and these are to be neglected, leaving 8,242 cases in which the results were more or less satisfactory. Of these, 1,717 were found to contain the bacilli of diphtheria, a percentage of a little less than 21. The amount of work represented by these figures is enormous, and, I am glad to say, it has been carried on with as little friction as could reasonably be expected.

The laboratory has been opened for the reception of cultures *every day in the year*, and the reports have been sent out with much promptness.

The experience of the year has been confirmatory of the feeling that the results obtained from the use of the platinum wire for securing the material for cultures are the best for general purposes; the increased accuracy more than counterbalances the slight amount of added labor to the physician. The substitution of copper cases has been carried on as fast as possible, and the ease with which the outfits are now sterilized is a needed change in the methods employed.

The work suffered a severe loss in June last, when Dr. J. H. McCollom severed his connection with it, and changes in the staff concerned in this branch of your work have been frequent. Since I took charge I have had the following

assistants: Drs. C. G. Page, J. N. Coolidge, J. W. Hastings, E. A. Burnham, J. T. Bottomly, C. N. Hayward, C. M. Smith, J. C. Donoghue, E. A. Darling, and C. A. Ewald; and of these, Drs. E. A. Darling, C. M. Smith, and C. A. Ewald are at present at work.

II.

The Production of the Antitoxine of Diphtheria.

The preparation of this material was begun by me as soon as I was placed in charge of the work by your Board, in December, 1894, and has been vigorously and successfully prosecuted since that time. Some time was consumed in getting together the necessary apparatus, animals, and assistants. The cultures have all been made under my direct supervision, and the injections of the horses have been carried out at the place originally selected on Gallop's Island.

The horses have been chosen with great care by the Veterinarian of the Board, Dr. Burr. Every one of them has been young, — none of them over seven years, — and perfectly sound. They have all been tested with tuberculine and mallein, and kept under observation for some weeks before commencing immunization. A brief history of each animal is appended.

Horse I. — Gray Gelding.

December 31, 1894.		Tested with mallein.		No reaction.	
January 4, 1895.		Tested with tuberculine.		No reaction.	
January 25, 1895.		1st injection,		0.5 c.c. toxine.	
"	30,	"	2d	1	" "
February 1,	"	"	3d	2	" "
"	4,	"	4th	3	" "
"	7,	"	5th	4.5	" "
"	11,	"	6th	9	" "
"	16,	"	7th	10	" "
"	19,	"	8th	15	" "
"	22,	"	9th	17	" "
March	1,	"	10th	26	" "
"	5,	"	11th	30	" "
"	7,	"	12th	35	" "
"	12,	"	13th	40	" "
"	15,	"	14th	60	" "
April	9,	"	15th	60	" "
"	12,	"	<i>Died.</i> Autopsy showed no lesions.		
Total number of injections, 15.					
Total amount injected, 313 c.c.					

Loss of weight from 976 to 905 pounds. (The scales for weighing the horses were not promptly at hand, otherwise perhaps the loss of weight would have attracted attention earlier.)

Horse II. — Gray Mare.

December 31, 1894. Tested with mallein. No reaction.

January 4, 1895. Tested with tuberculine. No reaction.

January 25, 1895. 1st injection, 0.5 c.c. toxine.

"	30,	"	2d	"	1	"	"
February	1,	"	3d	"	2	"	"
"	4,	"	4th	"	3	"	"
"	7,	"	5th	"	7	"	"
"	11,	"	6th	"	9.75	"	"
"	16,	"	7th	"	10	"	"
"	19,	"	8th	"	17	"	"
"	22,	"	9th	"	19	"	"
March	1,	"	10th	"	28	"	"
"	4,	"	11th	"	35	"	"
"	12,	"	12th	"	40	"	"
"	15,	"	13th	"	55	"	"
"	19,	"	14th	"	50	"	"
"	22,	"	15th	"	53	"	"
"	26,	"	16th	"	80	"	"
April	2,	"	17th	"	100	"	"
"	9,	"	18th	"	140	"	"

There was a marked loss of weight, from 960 to 881 pounds, and the injections were suspended. Was kept under observation until June 28, 1895, and then as there was no gain in weight, was removed from the island. Is still, January 15, 1896, in good condition, but has not gained much in weight.

Total number of injections, 18.

Total amount injected. 650.25 c.c.

Horse III. — Bay Mare.

December 31, 1894. Tested with mallein. No reaction.

January 4, 1895. Tested with tuberculine. No reaction.

January 25, 1895, 1st injection, 0.5 c.c. toxine.

"	30,	"	2d	"	1	"	"
February	1,	"	3d	"	2	"	"
"	4,	"	4th	"	3	"	"
"	7,	"	5th	"	5.5	"	"
"	11,	"	6th	"	10	"	"

February	16,	1895,	7th	injection,	10	c.c. toxine.
"	19,	"	8th	"	12	" "
"	22,	"	9th	"	16	" "
"	26,	"	10th	"	20	" "
March	1,	"	11th	"	26	" "
"	5,	"	12th	"	35	" "
"	12,	"	13th	"	40	" "
"	15,	"	14th	"	55	" "
"	22,	"	15th	"	70	" "

An enormous œdema occurred at the site of the last injection, and the animal became extremely weak. Paralytic symptoms (posterior extremities), made their appearance on April 2. Died on April 11. Autopsy showed no lesions.

Total number of injections, 15.

Total amount injected, 306 c.c.

Loss of weight from 1,010 to 890 pounds.

Horse IV.— Bay Gelding.

December 31, 1894. Tested with mallein. No reaction.

January 4, 1895. Tested with tuberculine. No reaction.

January	25,	1895,	1st	injection,	0.5	c.c. toxine.
"	30,	"	2d	"	1	" "
February	1,	"	3d	"	2	" "
"	4,	"	4th	"	2	" "
"	7,	"	5th	"	6	" "
"	11,	"	6th	"	10	" "
"	16,	"	7th	"	10	" "
"	19,	"	8th	"	12	" "
"	22,	"	9th	"	17	" "
"	26,	"	10th	"	22	" "
March	1,	"	11th	"	27	" "
"	5,	"	12th	"	33	" "
"	12,	"	13th	"	40	" "
"	15,	"	14th	"	40	" "
"	19,	"	15th	"	60	" "
"	26,	"	16th	"	80	" "
April	2,	"	17th	"	105	" "
"	9,	"	18th	"	160	" "
"	23,	"	19th	"	175	" "
May	7,	"	20th	"	400	" "
"	22,	"	21st	"	200	" "
"	31,	"	22d	"	395	" "
June	13,	"	First bleeding,			2.5 liters drawn.
"	25,	"	23d	injection,	360	c.c.
July	6,	"	24th	"	140	" "
"	8,	"	25th	"	225	" "

July	16,	1895,	Second bleeding, 3.1 liters (1-50,000 strength).
"	31,	"	26th injection, 105 c.c.
August	6,	"	27th " 160 "
"	9,	"	28th " 75 "
"	17,	"	Third bleeding, 2.75 liters (1-50,000 strength).
"	28,	"	29th injection, 125 c.c.
September	18,	"	30th " 300 "
"	24,	"	Fourth bleeding, 3 liters (1-50,000 strength).
October	1,	"	31st injection, 175 c.c.
"	15,	"	32d " 150 "
"	28,	"	33d " 100 "
November	13,	"	Fifth bleeding, 2.5 liters (1-50,000 strength, 940 c.c. of serum).
"	19,	"	34th injection, 185 c.c.
"	26,	"	35th " 160 "
December	13,	"	36th " 140 "
"	24,	"	Sixth bleeding, 1.33 liters (1-50,000 strength, 300 c.c. of serum).
January	2,	1896,	37th injection, 220 c.c.
"	14,	"	38th " 100 "
Total number of injections, 38.			
Total amount injected, 4517.50 c.c.			
Number of bleedings, 6.			
Amount of blood drawn, 15.08 liters.			

Horse V. — Chestnut Gelding.

December 31, 1894. Tested with mallein. No reaction.

January 4, 1895. Tested with tuberculine. No reaction.

January	21, 1895,	1st injection,	0.5 c.c.
“	30, “	2d “	1 “
February	1, “	3d “	2 “
“	4, “	4th “	3 “
“	7, “	5th “	6 “
“	11, “	6th “	10 “
“	16, “	7th “	10 “
“	19, “	8th “	18 “
“	22, “	9th “	22 “
“	26, “	10th “	20 “
March	1, “	11th “	26 “
“	5, “	12th “	37 “
“	12, “	13th “	45 “
“	15, “	14th “	60 “

March	19, 1895,	15th injection,	10	c.c.
"	22,	" 16th	" 70	"
"	29,	" 17th	" 90	"
April	2,	" 18th	" 100	"
"	9,	" 19th	" 142	"
"	23,	" 20th	" 185	"
May	7,	" 21st	" 340	"
"	21,	" First bleeding,	0.9 liters	(1-75,000).
"	28,	" 22d injection,	400	c.c.
June	10,	" Second bleeding,	1.3 liters	(1-50,000).
"	30,	" 23d injection,	200	c.c.
July	18,	" 24th	" 250	"
"	25,	" Third bleeding,	2.5 liters	(490 c.c. of serum, 1-50,000).
August	5,	" 25th injection,	175	c.c.
"	17,	" 26th	" 100	"
"	22,	" Fourth bleeding,	2 liters	(440 c.c. of serum, 1-50,000).
"	26,	" 27th injection,	200	c.c.
September	9,	" 28th	" 150	"
"	17,	" Fifth bleeding,	2 liters	(660 c.c. of serum, 1-50,000).
October	1,	" 29th injection,	395	c.c.
"	15,	" Sixth bleeding,	4 liters	(1-50,000).
"	23,	" 30th injection,	180	c.c.
November	13,	" 31st	" 105	"
"	19,	" 32d	" 270	"
"	26,	" Seventh bleeding,	3 liters	(710 c.c. of serum, 1-100,000).
December	3,	" 33d injection,	275	c.c.
"	13,	" 34th	" 130	"
"	24,	" 35th	" 300	"
January	2, 1896.	" Eighth bleeding,	2 liters	(430 c.c.)
"	10,	" 36th injection,	175	c.c.
"	18,	" 37th	" 250	"

Total number of injections, 37.

Total amount injected, 4,752.5 c.c.

Number of bleedings, 8.

Amount of blood drawn, 17.7 liters.

Horse VI. — Gray Gelding.

February 21, 1895. Tested with mallein. No reaction.

March 5, 1895. Tested with tuberculine. No reaction.

March	19, 1895	1st injection,	0.5	c.c.
"	22, "	2d	1	"
"	26, "	3d	1.5	"
"	29, "	4th	3	"
April	2, "	5th	5	"
"	5, "	6th	10	"
"	16, "	7th	15	"
"	23, "	8th	25	"

Further injections were omitted, for the reason that the horse was unruly and becoming dangerous. At no time was any reaction secured from the injections.

Horse VII. — Bay Gelding.

February 21, 1895. Tested with mallein. Reacted to 104.2.

February 25, 1895, shot. Autopsy (Dr. Burr) showed nothing abnormal.

Horse VIII. — Black Gelding.

May 9, 1895. Tested with mallein. No reaction.

May	28, 1895,	1st injection,	0.5	c.c.
"	31, "	2d	1	"
June	7, "	3d	2	"
"	11, "	4th	5	"
"	13, "	5th	9	"
"	17, "	6th	11	"
"	22, "	7th	25	"
"	25, "	8th	35	"
"	29, "	9th	104	"
July	15, "	10th	96	"
"	25, "	11th	140	"
August	6, "	12th	175	"
"	16, "	13th	210	"
"	26, "	14th	200	"
September	3, "	First bleeding, 1 liter (1-100,000).		
"	9, "	15th injection,	175	c.c.
"	18, "	16th	235	"
October	1, "	17th	185	"
"	22, "	18th	180	"
"	29, "	Second bleeding, 2.5 liters (1-100,000).		
November	18, "	19th injection,	220	c.c.
December	2, "	20th	330	"
"	17, "	Third bleeding, 3 liters (1,210 c.c. serum, 1-50,000).		

December	28, 1895,	21st injection,	300	c.c.
January	7, 1896,	22d	200	"
"	11, "	23d	230	"

Total number of injections, 23.

Total amount injected, 3,068.5 c.c.

Number of bleedings, 3.

Amount of blood, 6.5 liters.

Horse LX. — Black Gelding.

May 9, 1895.		Tested with mallein.	No reaction.
May	28, 1895,	1st injection,	0.5 c.c.
"	31, "	2d	1 "
June	7, "	3d	2 "
"	11, "	4th	5 "
"	13, "	5th	9 "
"	17, "	6th	13 "
"	22, "	7th	20 "
"	25, "	8th	32 "
"	29, "	9th	55 "
July	5, "	10th	70 "
"	15, "	11th	105 "
"	25, "	12th	155 "
August	7, "	13th	140 "
"	16, "	14th	125 "
"	21, "	15th	265 "
September	8, "	First bleeding, 2 liters (1-50,000).	
"	18, "	16th injection,	265 c.c.
October	1, "	17th	185 "
"	8, "	Second bleeding, 3 liters (1-50,000).	
"	22, "	18th injection,	235 c.c.
November	18, "	19th	200 "
"	30, "	Third bleeding, 3 liters (1-50,000).	
December	13, "	20th injection,	340 c.c.
"	28, "	21st	245 "
January	7, "	22d	300 "
"	14, "	Fourth bleeding, 2 liters (330 c.c.).	

Total number of injections, 22.

Total injected, 2,767.5 c.c.

Number of bleedings, 4.

Amount of blood, 7 liters.

Horse X. — Brown Gelding.

(From New York Board of Health, — already immunized.)

June	30, 1895,	1st injection,	225 c.c.
July	6, “	First bleeding,	2.5 liters (1-75,000).
“	15, “	2d injection,	240 c.c.
“	25, “	3d “	140 “
August	1, “	Second bleeding,	3 liters (720 c.c. of serum, 1-50,000).
“	10, “	4th injection,	50 c.c.
“	11, “	5th “	75 “
“	20, “	6th “	150 “
“	26, “	7th “	140 “
“	29, “	Third bleeding,	3 liters (830 c.c. of serum, 1-50,000).
September	9, “	8th injection,	140 c.c.
“	18, “	9th “	255 “
“	30, “	Fourth bleeding,	1.8 liters (530 c.c. of serum, 1-50,000).
October	12, “	10th injection,	150 c.c.
“	28, “	11th “	135 “
November	6, “	Fifth bleeding,	3 liters (750 c.c. of serum, 1-100,000).
November	13, “	12th injection,	125 c.c.
“	19, “	13th “	245 “
“	30, “	14th “	195 “
December	14, “	Sixth bleeding,	3 liters (830 c.c. of serum, 1-50,000).
December	24, “	15th injection,	275 c.c.
January	2, 1896,	16th “	300 “
“	10, “	17th “	200 “
“	17, “	Seventh bleeding,	2.5 liters.

Total number of injections, 17.

Amount injected, 3,040 c.c.

Number of bleedings, 7.

Amount of blood drawn, 18.8 liters.

Horse XI. — Black Mare.

(From New York Board of Health, — already immunized.)

June	30, 1895,	1st injection,	225 c.c.
July	9, “	First bleeding,	2.5 liters (1-75,000).
“	18, “	2d injection,	250 c.c.
“	29, “	3d “	150 “

August	8, 1895,	Second bleeding, 0.5 liters (210 c.c. of serum, 1-50,000).
"	24, "	4th injection, 200 c.c.
September	5, "	Third bleeding, 1 liter (1-50,000).
"	11, "	5th injection, 175 c.c.
"	28, "	6th " 230 "
October	3, "	Fourth bleeding, 3 liters (1-50,000).
"	15, "	7th injection, 150 c.c.
"	28, "	8th " 170 "
November	13, "	9th " 180 "
"	22, "	Fifth bleeding, 3 liters (650 c.c. of serum, 1-50,000).
"	30, "	10th injection, 160 c.c.
December	17, "	11th " 230 "
"	11, "	12th " 250 "
January	2, 1896.	Sixth bleeding, 2 liters (400 c.c. of serum, 1-50,000).
"	10, "	13th injection, 180 c.c.
"	18, "	14th " 250 "

Total number of injections, 14.

Amount injected, 2,800 c.c.

Total number of bleedings, 6.

Amount of blood, 12 liters.

A very rough estimate of the productiveness of each horse may be formed from the following table, showing the number of bleedings, and the approximate amounts of serum obtained from each animal :

Horse	IV, 6 bleedings,	3,500 c.c. of serum.
"	V, 8	" 4,000 " " "
"	VIII, 3	" 1,700 " " "
"	IX, 4	" 2,000 " " "
"	X, 7	" 4,500 " " "
"	XI, 6	" 2,500 " " "

These amounts represent the totals drawn, but as some of the animals became productive before the others, in order to even approximate the amounts to be obtained from the present plant, a second table has been prepared which includes the totals from all the horses in the time that they have all been immunized, i.e., from the last of August, 1895.

Horse	IV, 2,500	c.c.	of	serum.
"	V, 3,500	"	"	"
"	VIII, 1,700	"	"	"
"	IX, 2,000	"	"	"
"	X, 3,500	"	"	"
"	XI, 2,500	"	"	"

Total, 15,700 c.c. of serum,

or nearly 1,000 c.c. a week, which amount can be somewhat increased, and would represent 52,000 c.c. a year; or sufficient for 5,200 doses at 10 c.c. a dose, or even more if the strength of the serum can be increased, and provided that nothing happens to any of the horses, which would make it necessary to give up one or more of them as a source of supply. Of the amount already produced, more than 5,000 c.c. has been of a greater strength than 1 to 50,000, and it is hoped that we shall be able to increase the proportion of the serum of this strength.

During the entire time of my trips down the harbor, in connection with this work, I have enjoyed the constant company and assistance of the Port Physician, Dr. D. D. Brough, and it is not possible to state too emphatically of how great value his assistance has been, not only in helping me whenever occasion required, but in the active prosecution of the work in the intervals between my visits. In the laboratory work, Drs. S. A. Hopkins, C. G. Page, J. N. Coolidge, and J. W. Courtney have been engaged, and Drs. Coolidge and Courtney are now there.

We have had about the same difficulties in the preparation of the toxines as are spoken of by other observers, and we are indebted to Dr. W. H. Park, of New York, for valuable advice and assistance in various ways. In common with others, we have not found that the aëration of the cultures is necessary for the rapid or certain production of the toxines, but we find that twelve to fourteen days is sufficient, if the bouillon be more highly peptonized, following the suggestion of Dr. Park.

As the result of the work in this direction it has been possible to distribute (January 15, 1896) 14,960 c.c. of antitoxine of a minimum strength of 1-50,000, and about one-third of it of a strength of 1-100,000. Roughly speaking, this amount has been sent as follows:

To the Boston City Hospital	11,800 c c.
To the Children's Hospital	1,320 c.c.
To the Boston Dispensary	400 c.c.
To outside applicants	1,440 c.c.

There is now ready for distribution a supply of over 2,000 c.c., and the production is likely to be sufficient so long as the distribution is restricted in the present manner. It is perhaps well to remember that at the average market price of the commercial antitoxine, this supply represents a money value of over thirteen thousand dollars (\$13,000).

The results of the use of the antitoxine, so far as they have been reported, are given in some detail; for they are of value, not only as showing the results of the work done for your Board, but as helping to determine the value of the antitoxine itself; of which at present there seems to be small room for doubt.

There have been returned to me at this date (January 15, 1896) reports of the results of the use of the antitoxine supplied by your Board in 743 cases, divided as follows:

Recoveries	.	.	.	.	.	550
Deaths	.	.	.	.	.	97
Immunizing	.	.	.	.	.	96
						<hr/> 743

For securing these reports a blank similar to the one below is issued with each bottle of the serum.

CITY OF BOSTON BOARD OF HEALTH.

REPORT OF USE OF ANTITOXINE OF DIPHTHERIA.

Date,

Name,

Address,

Age, Sex, M. S. W.

Character of Disease, mild, — or severe constitutional symptoms?

Membrane, — None, — Slight, — Extensive?

How long since symptoms appeared?

Any Bacteriological test made?

What result?

Number on bottle,

How much injected?

Results (including any after effects, such as Urticaria, Albuminuria, etc.,)

SIGNED, M.D.

NOTE. (For the proper carrying on of the preparation of the antitoxine, it is necessary that this blank be filled out and returned as soon as possible to HAROLD C. ERNST, M.D., Harvard Medical School, Cor. Boylston and Exeter Streets, Boston.)

Recoveries. — Of the 550 recoveries reported, 451 occurred in the Boston City Hospital, 3 in the Children's Hospital, and 96 in private practice. They may be classified as follows:

	Male.	Female.
Below 6 months	1	0
Between 6 and 12 months	0	1
“ 1 “ 2 years	15	10
“ 2 “ 3 “	11	21
“ 3 “ 4 “	23	22
“ 4 “ 5 “	18	40
“ 5 “ 6 “	26	32
“ 6 “ 7 “	26	31
“ 7 “ 8 “	22	23
“ 8 “ 10 “	29	32
“ 10 “ 15 “	37	42
“ 15 “ 20 “	11	10
“ 20 “ 30 “	18	30
Above 30 years	5	14

Making 242 males, and 308 females.

Of these cases 410 are noted as having mild or no constitutional symptoms, 140 as having severe symptoms, at the

time of the administration of the antitoxine. The existence of membrane is noted as follows :

None	.	.	.	.	.	.	.	.	26
Slight	.	.	.	.	.	.	.	.	257
Extensive	.	.	.	.	.	.	.	.	249
Not mentioned	.	.	.	.	.	.	.	.	18

Nineteen cases of laryngeal and one of nasal membrane are noted in addition.

The duration of the symptoms (of course only approximate) before the administration of the antitoxine is as follows :

One day	.	.	.	.	.	.	.	.	100
Two days	.	.	.	.	.	.	.	.	159
Three days	.	.	.	.	.	.	.	.	100
Four days	.	.	.	.	.	.	.	.	38
Five days	.	.	.	.	.	.	.	.	22
Six days (or over)	.	.	.	.	.	.	.	.	16
Not noted	.	.	.	.	.	.	.	.	15

Five hundred and forty-two are reported to have had a culture made, with a positive result in 496, negative in 53, not stated 1.

There have been 83 patients treated with serum from horse IV.	
“ “ “ 109 “ “ “ “ “ “ V.	
“ “ “ 72 “ “ “ “ “ “ VIII.	
“ “ “ 19 “ “ “ “ “ “ IX.	
“ “ “ 125 “ “ “ “ “ “ X.	
“ “ “ 74 “ “ “ “ “ “ XI.	
Not stated 68	

The amounts given have varied in accordance with the following table :

3 c.c. given to 3 patients.	15 c.c. given to 11 patients.
5 c.c. “ “ 73 “	20 c.c. or over “ 25 “
7 c.c. “ “ 10 “	Not stated, 2 “
10 c.c. “ “ 426 “	

There have been reported 93 cases of urticaria, the vast majority of them slight, localized at the point of injection, and ephemeral in character ; but it is proper to say, however, that many of the reports have been returned too soon for the possibility of the occurrence of urticaria to be excluded.

The relations of the cases reported are taken up somewhat more in detail below.

Two cases of slight localized paralysis have been reported, and 90 cases of albuminuria, these mostly occurring *before* the administration of the antitoxine. They are grouped in accordance with the following :

							Males.	Females.
2 to 3 years	.	.	.	.	.	.	1	2
3 to 4 "	.	.	.	.	.	.	7	5
4 to 5 "	.	.	.	.	.	.	4	8
5 to 6 "	.	.	.	.	.	.	2	5
6 to 7 "	.	.	.	.	.	.	6	9
7 to 8 "	.	.	.	.	.	.	4	2
8 to 10 "	.	.	.	.	.	.	4	5
10 to 15 "	.	.	.	.	.	.	8	5
15 to 20 "	.	.	.	.	.	.	1	3
20 to 30 "	.	.	.	.	.	.	2	3
30 years and over.	.	.	.	.	.	.	1	3

which does not appear to show any especial preponderance of cases according to age or sex.

There are reported among the recoveries 18 cases of intubation, and 8 of sepsis, and 6 cases are noted as having had bacilli persisting over 2 weeks after the administration of the antitoxine.

The deaths numbered 97, and are tabulated upon the accompanying chart, from which any reasonable amount of information may be worked out. The upright columns denote the age and sex, the lateral columns the various data, and the numbers at the tops of the columns are to be followed downwards for information in regard to any particular case. For example: the small figure 1 in the male column between 6 to 12 months means that this was the first male child between 6 and 12 months that was reported to us as having died, that the patient had severe constitutional symptoms, that the amount of membrane and taking of a culture were not reported (the figure 1 being absent in these columns), that the antitoxine from Horse VIII. was given in a dose of 5 c.c., that intubation was performed, and that the disease had existed for 2 days. In the same way any other number may be followed downwards, and all the information of that case that we have may be read off, while any particular points not mentioned below may be studied out for one's self.

Some of the facts of interest shown by this chart may, however, be stated as follows:

The deaths are distributed among the following ages :

							Males.	Females.
6 to 12 months	.	.	.	.	.	.	1	0
1 to 2 years	.	.	.	.	.	.	8	5
2 to 3 "	.	.	.	.	.	.	8	9
3 to 4 "	.	.	.	.	.	.	8	3
4 to 5 "	.	.	.	.	.	.	5	5
5 to 6 "	.	.	.	.	.	.	4	9
6 to 7 "	.	.	.	.	.	.	4	5
7 to 8 "	.	.	.	.	.	.	2	2
8 to 10 "	.	.	.	.	.	.	5	4
10 to 15 "	.	.	.	.	.	.	3	5
15 to 20 "	.	.	.	.	.	.	1	0
20 to 30 "	.	.	.	.	.	.	0	0
30 years and over	.	.	.	.	.	.	1	0

An increased number of statistics of this sort will furnish very valuable data as to the relative resisting power of the two sexes to this disease.

Of the 97 deaths 95 showed severe constitutional symptoms *before* the administration of the antitoxine; 2 only slight, but these 2 both had extensive membrane formation. In 81 there was extensive membrane and severe constitutional disturbance; in 7, slight membrane and constitutional disturbance; and in 5, no membrane, but severe constitutional symptoms. In 72 there was a bacteriological examination made, and a positive result obtained in 69. In the remaining cases the symptoms were so urgent or death occurred so soon that no culture was taken.

The patients were treated with serum from the various horses as follows:

15 from Horse IV.	16 from Horse IX.
24 " " V.	18 " " X.
12 " " VIII.	8 " " XI.

The largest amount given was 50 c.c., the smallest 5 c.c. There were 17 laryngeal cases, 2 of urticaria, 21 of albuminuria, 15 of intubation, and 13 of sepsis (before treatment).

The length of time elapsed from the beginning of symptoms to the commencement of treatment is shown below:

1 day	.	.	.	.	.	.	3	6 days	.	.	.	.	.	.	3
2 days	.	.	.	.	.	.	15	7 "	.	.	.	.	.	.	2
3 "	.	.	.	.	.	.	13	8 "	.	.	.	.	.	.	0
4 "	.	.	.	.	.	.	13	9 "	.	.	.	.	.	.	1
5 "	.	.	.	.	.	.	3	Not stated	.	.	.	.	.	.	44

The total number of cases then is

Recoveries	.	.	.	.	.	.	.	.	550
Deaths	.	.	.	.	.	.	.	.	97
									<hr/>
Total	.	.	.	.	.	.	.	.	647

giving a mortality of a shade under 15 per cent., which is remarkable when compared with the general mortality of this disease, never under 27 per cent. in Boston and 27.06 per cent. in 1894. But a study of the report shows that there are a number of cases that cannot be considered fair tests of the efficacy of the material, and these are here given in some detail.

1. Diphtheria, — well. Death in two weeks from multiple neuritis.
2. Laryngeal, — stenosis. Membrane lessened. Death in thirty hours.
3. The physician writes, "No test. Death in six hours."
4. Case of seven days' duration and severe constitutional symptoms before treatment was begun.
5. Of four days' duration, — and the same.
6. The same.
7. The same, — and severe otitis media.
8. The same.
9. The same, — died in six hours.
10. General tuberculosis the cause of death.
11. Death in less than twenty-four hours.
12. The same.
13. The same.
14. Death in less than twelve hours.
15. The same, — measles on entrance.
16. Six days' duration, — death in less than twenty-four hours.
17. Five days' duration, — death in less than twenty-four hours.
18. The same.
19. Nine days' duration, — death from exhaustion.
20. Death in less than twenty-four hours.
21. Death in less than fourteen hours.
22. Death in less than twelve hours, — measles on entrance.
23. Death in less than twelve hours.
24. Four days' duration, — death in less than twelve hours.
25. The same.
26. Death in less than twelve hours.
27. Death in less than twenty-four hours.
28. Death in less than eight hours.

29. Death in less than twenty-four hours.
30. Death in less than twenty hours.
31. Three days' duration, — sepsis on entrance.
32. Chronic endocarditis.
33. Four days' duration, — death in less than thirty-six hours from broncho-pneumonia.
34. Seven days' duration, — pneumonia.
35. Three days' duration, — sepsis.
36. Four days' duration, — sepsis.
37. Three days' duration, — sepsis and moribund.
38. Severe sepsis, — six days' duration, — heart failure.
39. Four days' duration, — severe sepsis, — heart failure.
40. Sepsis — death in less than twelve hours.
41. Severe sepsis, — four days' duration.
42. Severe sepsis.
43. Pneumonia.
44. Severe sepsis — scarlet fever.
45. Severe sepsis — broncho-pneumonia.
46. Sepsis, — six days' duration.
47. Sepsis, measles, — pulmonary tuberculosis the cause of death.
48. Sepsis.
49. Membrane cleared off, — died of convulsions two weeks afterward.

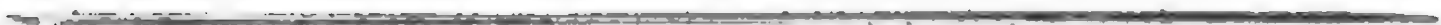
If, as would seem to be justifiable, such of these cases as died within twenty-four hours or of something else than diphtheria be excluded, 28 would be thrown out, and the mortality would be reduced to a little over 11 per cent. ($69 \div 619$) ; on the other hand, if they are all neglected, so far as offering a fair test of the antitoxine is concerned, the mortality is reduced to 8 per cent. ($48 \div 599 = .0801$). In any case the results are extremely gratifying.

It has seemed to be interesting to work out the percentage of mortality in private practice, so far as it is shown by our returns. Of cases in which the antitoxine of your Board has been used out of the hospitals, there have been reported :

Recoveries	.	.	.	.	.	.	.	.	72
Deaths	.	.	.	.	.	.	.	.	7
									—
Total	.	.	.	.	.	.	.	.	79

which gives a mortality of 8 per cent.

But a study of the deaths shows at once that a number of them should be excluded in any consideration of the effects of the antitoxine. They are as follows :



1. Severe constitutional symptoms, — extensive membrane. Recovery from the diphtheria. Death two weeks afterwards from multiple neuritis.

2. Severe constitutional symptoms, — extensive membrane. Six days' duration. No apparent effect. Laryngeal, and death from stenosis in 30 hours.

3. Mild constitutional symptoms, — extensive membrane in throat and larynx. More than four days' duration. Second injection refused. "I do not consider this a fair test of the antitoxine. Disease had invaded the larynx when seen; second injection refused, and death followed in 16 hours after the first injection."

4. Severe constitutional symptoms, — extensive and tough membrane. Four days' duration. Throat cleared. The physician notes, "The antitoxine cured the diphtheria, but death was the result of exhaustion."

5. Severe constitutional symptoms, — extensive membrane in nose, pharynx, and larynx. "Practically moribund." Death in less than 20 hours after the first injection.

6. Beginning laryngeal diphtheria. No membrane present in pharynx or in sight(?). No bacteriological test. Death in 14 hours.

7. Severe constitutional symptoms and extensive membrane. Four days' duration. "Died six hours after injection, from extensive disease in larynx. No test for antitoxine, as child was in a dying condition."

Opinions will differ as to how many of these deaths may fairly be excluded as tests of the efficacy of the antitoxine, but it cannot be denied that the summary is an exceedingly striking one.

There are still to be considered 101 cases in which the antitoxine was used for immunizing purposes, and these are shown on the accompanying chart.

From this it appears that the immunizing dose used was about 3 c.c. in 24 cases, about 5 c.c. in 70 cases, and 10 c.c. in 7 cases. That there were 23 cases of urticaria developed (all but two were extremely slight and disappeared in 24 hours or less). No cases of albuminuria were reported. Two cases of abscess formation are spoken of, but in each absorption occurred without opening. Two cases of generalized pain, and two localized at the point of injection are mentioned; but it is only reasonable to suppose that more than two of the latter really occurred. Nine slight rises of temperature after the injection are recorded and one of rigor. This last case, however, was that of a patient who had abscess formation at the site of the injection, fever, and generalized pain, and it is not fair to consider this due

to the antitoxine. One case of the appearance of diphtheria after the immunizing dose is reported, but there were no symptoms and the diagnosis was based upon a culture, — the bacilli disappearing in twenty-four hours.

Fifty-six of the immunized cases were directly exposed to infection, — fifteen of them in active care of diphtheria, — the remainder as children in the same house with the disease. I fail to find reported a single case of the appearance of the disease in the children of a family after immunization. Forty-five of the cases occurred in the Children's Hospital, and it is not known whether they were exposed to direct infection or not.

Finally I have worked out the relationship between the reported cases of urticaria and the horses from which the serum was obtained, as shown in the table below :

Horse.	No. patients treated.	Urticarias.	Percentage.
IV.	98	18	18.3
V.	174	28	16.09
VIII.	94	10	10.6
IX.	47	4	8.51
X.	155	33	21.29
XI.	90	13	14.44

It happens that the lowest percentages of urticarias have occurred with the serum from Horses VIII. and IX., and that the reports that are now in give the results from the serum from these horses that *mostly* had a strength of 1-100,000 ; in other words, that could be used in a smaller dose. If this suggestion be borne out by further observation, it would seem to indicate that the urticarias are more the result of the bulk of serum used than the amount of antitoxine.

A comparison of the results herewith presented appears to indicate very emphatically, as has been the case in all similar observations, that the earlier the serum is used the more favorable the results. This certainly emphasizes the need for a more wide-spread distribution of the supply, if the best results are to be obtained.

The Board is to be congratulated upon the excellence of its plant for the production of this material ; for the situation, from the hygienic point of view, and the plant for its completeness are, so far as I am aware, unsurpassed.

Respectfully submitted,

HAROLD C. ERNST.

GARBAGE AND REFUSE DISPOSAL.

There has been but little added to our experience during the last year in the development of methods for the public disposal of garbage and other refuse material. Under a contract between the city of Boston and the New England Construction Company, a garbage reduction plant was erected on Gibson street, Dorchester district, finished about January, 1895, and set in operation in February following. The contract stipulated that if the garbage plant became a nuisance to the neighborhood, said contract should be terminated. The plant was complained of, investigated, found to be a nuisance to the neighborhood, and the following action was taken by the Board of Health:

IN BOARD OF HEALTH,
BOSTON, February 18, 1895.

Whereas, In the opinion of this Board, the garbage plant of the New England Construction Company, situated on Gibson street, Dorchester, is the cause of a nuisance in the neighborhood, it is

Voted, That said company be notified of the existence of said nuisance and that said company be requested to appear at a hearing on said nuisance at the office of this Board on Wednesday, February 20, at 11 o'clock.

In accordance with the foregoing the following notice was served on the New England Construction Company:

HEALTH DEPARTMENT,
OLD COURT HOUSE, BOSTON,
February 18, 1895.

NEW ENGLAND CONSTRUCTION COMPANY:

GENTLEMEN: The Board of Health respectfully represents that its recent investigation of the garbage plant on Gibson street, in the Dorchester district, appears to show said plant to be the source of a considerable nuisance to the neighborhood. It therefore becomes the duty of the Board of Health to inform you of this fact and to notify you of a hearing concerning said nuisance to be held at this office, on Wednesday, February 20, at 11 o'clock, A.M.

You are hereby requested to take notice of the same.

Very respectfully,
(Signed) C. E. DAVIS, JR.,
Secretary.

On the date named above, the representatives of the New England Construction Company appeared before the Board of Health and agreed to abate the nuisance complained of. Sufficient time having been given to the company to carry out its promises, a further examination of the premises was had without satisfactory results, and the following communication was sent to the Board of Aldermen:

HEALTH DEPARTMENT,

OLD COURT HOUSE, BOSTON, February 18, 1895.

HON. BOARD OF ALDERMEN:

GENTLEMEN: In accordance with a request from His Honor the Mayor the Board of Health has investigated an alleged nuisance in connection with the garbage plant on Gibson street, in the Dorchester district, and respectfully reports that it finds sufficient cause to warrant action under section 6 of the contract between the New England Construction Company and the city of Boston, which reads as follows:

"SECT. 6. If said first party shall neglect or refuse to receive, treat, or remove said garbage as aforesaid, or if the Board of Health of said city, after a notice to said first party and a hearing, shall decide that the treating said garbage, or the removing the same from the premises aforesaid, or the keeping said building or the premises connected therewith, or the bringing of the said garbage to said premises, is unhealthy or a nuisance to the neighborhood, this contract shall be thereby terminated unless said first party shall within thirty days from any decision of the said Board modify said treatment or abate said nuisance to the satisfaction of said Board of Health, and the said first party shall forthwith thereafter remove said building aforesaid, and cease to use the land above described."

The Board of Health has this day notified the said Construction Company in accordance with the above section.

Respectfully,

THE BOARD OF HEALTH,

(Signed)

by SAMUEL H. DURGIN,

Chairman.

Formal action in accordance with the statutes relating to offensive trades was then taken as follows:

IN BOARD OF HEALTH,

BOSTON, March 21, 1895.

At a meeting of the Board of Health held this day, it was

Voted, That in accordance with section 84, chapter 80 of the Public Statutes, the assignment of the place on Gibson street, Dorchester district, to the New England Construction Company "for the erection and use of a small experimental plant for the reduction of garbage" be and the same is hereby revoked, and the further exercise of such trade or employment is forbidden at said location.

The Mayor and City Council were notified of the above action as follows:

HEALTH DEPARTMENT,

OLD COURT HOUSE, BOSTON, March 21, 1895.

To His Honor the Mayor and City Council, City of Boston:

GENTLEMEN: In compliance with a request received from His Honor the Mayor, and subsequent requests from the Board of Aldermen and Common Council, the Board of Health respectfully reports that it has investigated the garbage plant on Gibson street, Dorchester district, and as a result has revoked the assignment given to the New England Con-

struction Company on July 20, 1894, for the erection and use on said street "of a small experimental plant for the reduction of garbage."

The Board has placed the matter in the hands of the City Solicitor, who has prepared a bill of complaint in the name of this Board, to the Supreme Judicial Court, which will be filed at once.

Very respectfully,

(Signed)

THE BOARD OF HEALTH,

by SAMUEL H. DURGIN,

Chairman.

The New England Construction Company thereupon appealed from the decision of the Board of Health revoking the assignment, and this appeal was heard before the Supreme Judicial Court in equity session, and the action of the Board of Health was sustained by the court.

The Board of Health still adheres to the belief which it has expressed in several of its annual reports, that all kitchen garbage can be successfully and economically disposed of in the kitchen where it is made, while it is fresh, and without care or expense to the city.

It is now seventeen months since it was shown that kitchen garbage could be carbonized and used as fuel in the kitchen stove without annoyance or expense to the family. During the past year hundreds of families have adopted this method of converting their kitchen wastes into fuel and found relief from the garbage bucket in the yard. The experience has now been ample to warrant the statement that every family can (and may reasonably be expected to) take care of its kitchen waste with diminished care, annoyance, and expense.

If this material should be disposed of in the kitchen there would no longer be any danger of a public plant for the cremation or reduction of garbage in any residential district of the city; there would be no more swill-carts in the streets; there would be fifty thousand less swill-barrels in the back yards, and a saving of two hundred thousand dollars annually to our city treasury.

The Board would respectfully suggest that all of the other wastes and rubbish which are gathered by the city carts (excepting clean ashes) and which now go to the dump or down the harbor on the scows, can be reduced by heat to clean material which can be used for various purposes with a commercial value. The Board believes that eight or ten crematories might be constructed, at moderate cost, in different business sections of the city, giving short hauls for the teams, and be maintained at a trifling net cost to the city. In this way all decomposing organic matter would be readily converted to clean ash, and all old junk and rag pickings be placed under control, disinfected and made safe for their

various uses. The present methods in use for the disposal of our kitchen waste, and also the general and mixed wastes which are gathered about the city, are open to serious objection and are frequently complained of. We make a sharp distinction between the so-called kitchen garbage which is now gathered separately by the city and sold to farmers as food for pigs, and all other mixed rubbish, garbage, and wastes which are gathered by the city carts and used for making land or carried down the harbor on the scows. The first material decomposes rapidly, is delayed in its movements in the back yards, alley-ways, streets, and at its final lodging-place, and is not a good food for making meat. It constitutes one of the most formidable nuisances in the city, and this should be carefully considered in any public plan, which merely contemplates an additional nuisance and cost to the city for a tardy and final destruction of such material. The second material makes the most unhealthful land for business or dwelling purposes, or pollutes the harbor and shores where it occasionally lodges in considerable quantities. We believe that the vast increase in the amount of this waste matter has made the present methods of handling and disposal too cumbersome, costly, and unhealthful, and that it constitutes a subject worthy of the best attention of the City Council.

STONY BROOK.

Since the overflow of the Stony brook in 1886, which created great damage between Parker street, the old Roxbury canal, Massachusetts avenue, and Vernon street, the attention of the Board of Health has been repeatedly called to the unhealthful conditions of this locality, which has a low grade and is very imperfectly sewered. Many of the buildings have been erected without suitable foundations and with basements often on a level with, and in some instances even below, the sewer bottoms. Many of the sewers are small, old, and worn out, and either inadequate for the demand upon them or not of sufficient depth to be of much service. The remedy will be expensive and, as we believe, can only be found in raising the grade of the territory or in the reconstruction of the sewers.

The Board of Health would respectfully recommend that this territory be especially examined by an engineer to ascertain the expense of the changes and the method necessary for a complete remedy for the present evils.

OLD COURT HOUSE.

The following communication was sent to the Superintendent of Public Buildings :

[COPY.]

HEALTH DEPARTMENT,
OLD COURT HOUSE, BOSTON, June 20, 1895.

COL. F. B. BOGAN, *Superintendent Public Buildings* :

DEAR SIR: The Board of Health desires to call your attention to the foul-smelling and unhealthful condition of portions of this building, the physical condition of which has been recently and carefully inspected by this department, and found to be as follows :

This building has been in use for many years for prison and criminal court purposes, and many parts of it, notably the basement floors, are thoroughly permeated with filth and foul odor. The basement is dark and unventilated, and in it there are over forty cells and disused water-closets, each having connection with the old earthen sewer which runs under the entire length of the building and is about thirteen inches below the surface; these water-closets are old, corroded, and offensive. In the corridors of the basement are many surface cesspools, and these are at all times liable to become unsealed by evaporation. There are also rooms in the basement which are uncleanly and foul smelling, used as waiting rooms by the Water Department laborers.

This Board would respectfully recommend that the water-closets, cesspools, cell walls, floor pavements, and all foul-smelling earth and other material be removed, the sewer put in good condition, and the whole basement made clean, light, and healthful for occupation and for the relief of the other occupants of the building.

Very respectfully,

THE BOARD OF HEALTH,
by S. H. DURGIN,
Chairman.

The bad sanitary condition complained of at that time still continues, and is a menace to the health of every person in the building.

PRIVATE DRAINS.

The acceptance by the City Council of the act of the Legislature of 1893, relating to the maintenance of private drains, enables the Board of Health to compel those who use such drains to keep them in proper repair.

Prior to the acceptance of this act, in December last, it has frequently happened when such a drain leaked or was otherwise out of repair that one or more obdurate owners having an equal responsibility, but whose estates were not flooded or otherwise directly affected by such want of repair, refused to combine with the others interested, and the result was that a few owners were compelled to bear the

whole burden, in which all interested should share alike. The acceptance of the Legislative act obviates this difficulty.

AN ACT RELATING TO THE REPAIR OF PRIVATE DRAINS IN STREETS OR WAYS.

CHAPTER 312.

Be it enacted, etc., as follows :

SECTION 1. Every owner of an estate which drains into a private drain in a public or private street or way, who shall neglect to put such drain in good repair and condition for ten days after being notified by the Board of Health of the city or town that the drain is out of repair and condition, shall be liable to a fine not exceeding twenty dollars for every day that such neglect continues after the expiration of said ten days.

SECT. 2. This act shall take effect in any city when accepted by the City Council thereof, and in any town when accepted by a majority vote of the voters of such town present and voting at a meeting of said town duly called for that purpose.

Approved May 4, 1893.

HOUSE TO HOUSE INSPECTION.

The work of house to house inspection was continued as heretofore with the following results :

Section 1.

Twenty-four wooden houses situated in Ward 1, about grade 40, in fair condition, occupied by a class of people in fair circumstances, numbering 183.

Number of houses in the street	24
“ examined	24
“ in which bad odors were perceptible	2
“ in which defective drains were found	6
“ in which a lack of traps was found	2
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	1
“ using steam-heat	4
“ using furnaces	1
“ using furnaces without proper air-supply	1
“ having water-closets	24
“ old style and faulty water-closets	1
“ having offensive water-closets	0
“ having ventilation to soil-pipe or drain	19
“ having offensive cesspools	2

Section 2.

Forty-seven wooden houses situated in Ward 3, about grade 30, in poor condition, occupied by a class of people in poor circumstances, numbering 405.

Number of houses in the street	47
“ examined	47
“ in which bad odors were perceptible	18
“ in which defective drains were found	19
“ in which a lack of traps was found	16
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	0
“ using steam-heat	0
“ using furnaces	3
“ using furnaces without proper air-supply	0
“ having water-closets	47
“ old style and faulty water-closets	0
“ having offensive water-closets	7
“ having ventilation to soil-pipe or drain	14
“ having offensive cesspools	1

Section 3.

Sixteen brick houses situated in Ward 6, about grade 25, in poor condition, occupied by a class of people in poor circumstances, numbering 212.

Number of houses in the street	16
“ examined	16
“ in which bad odors were perceptible	13
“ in which defective drains were found	9
“ in which a lack of traps was found	6
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	1
“ using steam-heat	0
“ using furnaces	2
“ using furnaces without proper air-supply	0
“ having water-closets	16
“ old style and faulty water-closets	6
“ having offensive water-closets	6
“ having ventilation to soil-pipe or drain	8
“ having offensive cesspools	0

Section 4.

Thirty-eight brick and six wooden houses, situated in Ward 7, about grade 25, in poor condition, occupied by a class of people in poor circumstances, numbering 775.

Number of houses in the street	44
“ examined	44
“ in which bad odors were perceptible	23
“ in which defective drains were found	21
“ in which a lack of traps was found	9
“ having offensive vaults	0
“ having unclean yards	6
“ having damp or unclean cellars	11
“ using steam-heat	2
“ using furnaces	1
“ using furnaces without proper air-supply	0
“ having water-closets	44
“ old style and faulty water-closets	4
“ having offensive water-closets	9
“ having ventilation to soil-pipe or drain	29
“ having offensive cesspools	1

Section 5.

Nineteen brick and six wooden houses situated in Ward 9, about grade 65, in fair condition, occupied by a class of people in ordinary circumstances, numbering 188.

Number of houses in the street	25
“ examined	25
“ in which bad odors were perceptible	9
“ in which defective drains were found	7
“ in which a lack of traps was found	4
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	1
“ using steam-heat	0
“ using furnaces	5
“ using furnaces without proper air-supply	2
“ having water-closets	25
“ old style and faulty water-closets	10
“ having offensive water-closets	0
“ having ventilation to soil-pipe or drain	6
“ having offensive cesspools	8

Section 6.

Twenty-two brick houses situated in Ward 11, about grade 18, in poor condition, occupied by a class of people in fair circumstances, numbering 155.

Number of houses in the street	22
“ examined	22
“ in which bad odors were perceptible	11
“ in which defective drains were found	8
“ in which a lack of traps was found	5
“ having offensive vaults	0
“ having unclean yards	1
“ having damp or unclean cellars	2
“ using steam-heat	0
“ using furnaces	1
“ using furnaces without proper air-supply	1
“ having water-closets	22
“ old style and faulty water-closets	10
“ having offensive water-closets	1
“ having ventilation to soil-pipe or drain	2
“ having offensive cesspools	1

Section 7.

Twenty-three brick houses situated in Ward 11, about grade 17, in good condition, occupied by a class of people in well-to-do circumstances, numbering 219.

Number of houses in the street	23
“ examined	23
“ in which bad odors were perceptible	3
“ in which defective drains were found	3
“ in which a lack of traps was found	2
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	0
“ using steam-heat	1
“ using furnaces	20
“ using furnaces without proper air-supply	0
“ having water-closets	23
“ old style and faulty water-closets	5
“ having offensive water-closets	0
“ having ventilation to soil-pipe or drain	14
“ having offensive cesspools	0

Section 8.

Twenty-two wooden houses situated in Ward 22, about grade 40, in fair condition, occupied by a class of people in poor circumstances, number 210.

Number of houses in the block	22
“ examined	21
“ in which bad odors were perceptible	3
“ in which defective drains were found	6
“ in which a lack of traps was found	2
“ having offensive vaults	0
“ having unclean yards	3
“ having damp or unclean cellars	0
“ using steam-heat	0
“ using furnaces	3
“ using furnaces without proper air-supply	1
“ having water-closets	21
“ old style and faulty water-closets	3
“ having offensive water-closets	0
“ having ventilation to soil-pipe or drain	13
“ having offensive cesspools	0

Section 9.

Twenty-five wooden and 9 brick houses situated in Ward 19, about grade 20, in poor condition, occupied by a class of people in ordinary circumstances, numbering 247.

Number of houses in the block	34
“ examined	34
“ in which bad odors were perceptible	8
“ in which defective drains were found	14
“ in which a lack of traps was found	10
“ having offensive vaults	1
“ having unclean yards	0
“ having damp or unclean cellars	2
“ using steam-heat	0
“ using furnaces	7
“ using furnaces without proper air-supply	3
“ having water-closets	34
“ old style and faulty water-closets	5
“ having offensive water-closets	5
“ having ventilation to soil-pipe or drain	14
“ having offensive cesspools	0

Section 10.

Twenty-eight wooden and 3 brick houses situated in Ward 15, about grade 40, in poor circumstances, occupied by a class of people in ordinary circumstances, numbering 220.

Number of houses in the street	31
“ examined	31
“ in which bad odors were perceptible	17
“ in which defective drains were found	15
“ in which a lack of traps was found	10
“ having offensive vaults	0
“ having unclean yards	1
“ having damp or unclean cellars	0
“ using steam-heat	0
“ using furnaces	8
“ using furnaces without proper air-supply	3
“ having water-closets	31
“ old style and faulty water-closets	9
“ having offensive water-closets	5
“ having ventilation to soil-pipe or drain	3
“ having offensive cesspools	0

Section 11.

Twenty-six wooden and 13 brick houses situated in Ward 14, about grade 40, in fair condition, occupied by a class of people in good circumstances, numbering 316.

Number of houses in the street	39
“ examined	39
“ in which bad odors were perceptible	5
“ in which defective drains were found	7
“ in which a lack of traps was found	10
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	1
“ using steam-heat	0
“ using furnaces	19
“ using furnaces without proper air-supply	3
“ having water-closets	39
“ old style and faulty water-closets	14
“ having offensive water-closets	1
“ having ventilation to soil-pipe or drain	20
“ having offensive cesspools	0

Section 12.

Nineteen wooden and 2 brick and wooden houses situated in Ward 24, about grade 100, in good condition, occupied by a class of people in well-to-do circumstances, numbering 117.

Number of houses in the street	21
“ examined	21
“ in which bad odors were perceptible	1
“ in which defective drains were found	3
“ in which a lack of traps was found	0
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	0
“ using steam-heat	1
“ using furnaces	20
“ using furnaces without proper air-supply	0
“ having water-closets	21
“ old style and faulty water-closets	0
“ having offensive water-closets	0
“ having ventilation to soil-pipe or drain	20
“ having offensive cesspools	0

Section 13.

Seventeen wooden houses situated in Ward 25, about grade 20, in good condition, occupied by a class of people in well-to-do circumstances, numbering 79.

Number of houses in the street	17
“ examined	17
“ in which bad odors were perceptible	3
“ in which defective drains were found	4
“ in which a lack of traps was found	1
“ having offensive vaults	0
“ having unclean yards	0
“ having damp or unclean cellars	0
“ using steam-heat	0
“ using furnaces	17
“ using furnaces without proper air-supply	2
“ having water-closets	17
“ old style and faulty water-closets	2
“ having offensive water-closets	0
“ having ventilation to soil-pipe or drain	16
“ having offensive cesspools	1

Recapitulation.

Whole number examined	366
Bad odors found in	116
Defective drains found in	122
Lack of traps found in	77
Offensive vaults found in	1
Damp or unclean yards	11
Damp or unclean cellars	19
Using furnaces	107
Furnaces without proper air-supply	14
Using steam-heat or hot water	8
Water-closets found in	364
Old style or faulty water-closets found in	64
Offensive water-closets found in	34
Ventilation to soil-pipe or drain found in	178
Offensive cesspools found in	14
Percentage of defective drains	33.33
Percentage of defective trapping	21.04
Percentage of unventilated drains	51.37

PRIVY VAULTS.

In 1885 the Legislature enacted a law, which in effect prohibited the having of privy vaults connected with buildings situated on streets in which are located public sewers. Since that time there have been discontinued by order of the Board 7,857 such vaults.

The discontinuance of these vaults, together with those which have been voluntarily discontinued has so reduced the number that it may almost be said that they are among the things of the past except in localities where water-closets are not practicable.

VAULTS AND CESSPOOLS CLEANED DURING 1895.

Charlestown	16	Boston proper	45
South Boston	30	Dorchester	225
W. Rox. and Brighton,	142	East Boston	63
Roxbury	85		
		Total	606

NUISANCES ABATED.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
House drains repaired .	147	213	175	217	216	227	222	174	211	304	303	208	2,617
Vaults cleaned and repaired	8	32	15	156	72	54	54	53	42	21	31	20	568
Traps supplied	37	69	54	54	58	67	78	71	64	103	103	51	799
Yards cleaned	49	37	230	349	154	114	108	74	74	85	91	33	1,398
Cellars cleaned	92	110	132	217	141	118	113	74	98	89	141	70	1,395
Cess-pools cleaned	9	5	16	119	51	41	47	27	22	38	27	4	466
Water closets cleaned and repaired	79	184	95	120	109	65	83	85	96	147	153	98	1,334
Number of places from which fowls were removed	1	5	6	8	11	13	12	4	2	8	8	2	80
Supply-pipes repaired	7	28	12	13	5	5	11	5	10	4	9	3	112
Privies cleaned and repaired		9	3	5	1	11	2	2				1	32
General want of cleanliness and repair	14	34	32	45	49	21	17	3	16	17	21	16	285
Exposed manure	3	4	5	2	8	8	19	6	5	3	6	3	73
Passageways cleaned	7	12	38	98	98	75	44	27	35	24	81	25	514
Sheds cleaned	4	8	12	8	7	24	5	8	4	10	9	2	101
Tenements whitewashed	2		92	522	436	68	200	1	5	2	2	2	1,332
Stables cleaned	4	2	11	6	6	15	9	3	5	7	6	5	79
Sundry nuisances	10	18	6	9	9	23	19	9	13	17	9	7	149
Rain-conductors repaired	3	1	2	3	3	7	5	7	9	13	8	1	62
Roofs repaired		2		2	3	5	4	2	1	5	4	3	31
Receptacles provided for garbage	1	7	8	5	1	2	1	5	3	3	1	2	39
Places from which swine were removed		1			2	3	4	2	2		3	2	19
Stagnant water removed from vacant lots			1	28	17	12	6	10	4	10	17	4	109
Vacant lots cleaned		4	6	12	5	17	13	5	3	10	4	1	54
Houses cleaned of dead rats		1	1	1	5	2		1			1	1	13
Overcrowded rooms	4	14	5	6	1		1	1	3	1		4	40
Places from which goats were removed				1	4	1	2						8
Total	481	708	958	2,004	1,475	1,020	1,089	660	727	911	988	568	11,679

In addition to the foregoing there have been 1,018 complaints investigated, where action by the Board was found unnecessary.

DISINFECTION.

AFTER CASES OF	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Diphtheria	364	265	211	166	168	237	282	211	269	328	454	495	3,450
Scarlet Fever	212	188	166	172	111	107	96	78	86	95	71	104	1,486
Phthisis	2		1			1					1	1	6
Measles			6	4	1								11
Infected carriages . . .	2	5	1	1	1	2	1	1			2	2	18
Infected schools									2	3	5	7	17
Infected lots of clothing	4	2	1	3	5	1	2	7	3	2	2	3	35
Infected lots of books .	1	3	1	1	2	3	3	6	1	5	4	7	37
Glanders		3	4		1	2	1	1	6	5	5	5	33
Miscellaneous											1	1	2
Total	585	496	391	347	289	353	385	304	367	438	545	625	5,095
Number of rooms . . .	1,070	797	747	749	626	730	794	654	803	829	1,123	1,233	10,155

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Streets					14	107	93	41	75	9	2		341
Places					52	115	157	62	141	101	7		635
Courts					24	49	61	89	103	21	19		366
Alleys		1		3	211	401	309	283	743	317	51	2	2,351
Yards	13		4	15	1,091	1,563	1,986	1,721	2,717	814	173	1	10,098
Vaults	17	21	11	27	141	119	111	93	534	233	11	4	1,322
Cellars	31	11	18	9	769	523	1,233	1,014	2,419	784	121	9	6,931
Cesspools	9	7	35	3	697	842	917	673	3,176	502	187	6	7,054
Gutters					309	627	741	519	2,490	83	7		4,776
Water-closets	19		29	19	481	718	573	697	1,704	924	297	59	5,500
Passageways	3				317	392	809	731	936	278	119	1	3,586
Urinals	7				19	21	34	39	63	21	4	11	219
Vacant lots					3	9	22	31	32	4	2		103
Filthy sheds	6	16	13	21	961	893	681	702	1,205	768	91	21	5,378
Filthy rooms	237	251	287	391	82	77	199	210	182	124	143	98	2,281
Sluiks	61	91	72	34	361	905	1,161	974	1,473	413	301	101	5,947
Total	403	398	469	522	5,522	7,361	9,087	7,879	17,993	5,396	1,565	293	56,888

Material used: Bichloride of mercury, 1,575 pounds; chloride of lime, 36,875 pounds; sulphur, 44,899 pounds; copperas, 3,150 pounds; and muriatic acid in mixing, 12 carboys.

TENEMENT AND LODGING HOUSES.

The statute law requiring all tenement-houses to be examined twice in each year has been complied with. In some cases, where the houses might more properly be termed apartment houses, this duty has been of a perfunctory character, and only the examination required by law has been had. Of the poorer class of houses, however, a large number require and have received weekly and in some instances almost daily visits from the inspectors.

Frequent visits have been made by day and night to the various cheap lodging-houses throughout the city, and the proprietors have been required to cleanse the rooms or bedding as the circumstances called for.

Under the law of 1894, requiring this department to cer-

tify to the Police Department regarding the ventilation and sanitary accommodations of such houses as charge twenty-five cents or less per night, twenty-five houses have been certified as having the required qualifications, and two have been refused such certificate.

One drawback to the proper sanitation of these houses is the disinclination of the patrons to avail themselves of such ventilation as is provided, as they much prefer a heated atmosphere, however foul, to fresh air of a lower temperature.

A proprietor of one of these lodging-houses has instituted a reform, which although very unpopular among his customers could be imitated by others in the business with beneficial results viz. : that of requiring every lodger to take a bath or going elsewhere for accommodations.

The following applications for licenses to maintain lodging-houses have been approved by the Board of Health :

- 24 Pitts street, for 28 persons.
- 16 Cross street, for 24 persons.
- 1324-26A Tremont street, for 40 persons.
- 1½ Lewis street, for 93 persons.
- 238 Commercial street, for 50 persons.
- 1093 Washington street, for 122 persons.
- 1051-53 Washington street, for 130 persons.
- 42 Eastern avenue, for 100 persons.
- 14 & 18 Eliot street, for 90 persons.
- 164 Commercial street, for 65 persons.
- 2 Lewis street, for 100 persons.
- 338-40 Commercial street, for 22 persons.
- 13½ Howard street, for 50 persons.
- 181½ Friend street, for 20 persons.
- 1025 Washington street, for 102 persons.
- 17 Kneeland street, for 58 persons.
- 49 Fleet street, for 30 persons.
- 3 & 7 Pitts and 9 Green streets, for 100 persons.
- 234 Commercial street, for 45 persons.
- 238 Commercial street, for 50 persons.
- 3 Eliot street, for 30 persons.
- 57 Fleet street, for 30 persons.
- 45 & 47 Clark street, for 30 persons.
- 27 & 29 Endicott street, for 25 persons.
- 79A Harrison avenue, for 24 persons.

HOUSES VACATED.

The number of houses which the Board has ordered vacated during the year because of their unsanitary condi-

tion is one hundred and twelve ; of this number, however, a very large per cent. were put in a satisfactory condition before the expiration of the time allowed the occupants to quit the premises, and in such cases the orders were not enforced.

CEMETERIES.

For the maintenance of the seventeen cemeteries under the care of the Board of Health there has been expended during the fiscal year \$4,896.15, comparatively none of which has been for extraordinary repairs.

It is a matter worthy of note that the income from Evergreen Cemetery at Brighton has been \$1,508.37, making the total return for the three years since the expenditure of \$5,000 for the improvement of the grounds, \$4,228.87.

There were interred at the Central Ground, on Boston Common, such human remains as were found in making excavations for the subway under the Boylston-street mall, which, prior to 1836, was part of the Central burial-ground on Boston Common. The plot wherein the reinterments took place is to be marked by a tablet suitably inscribed.

It is estimated that the bones of 910 persons were reinterred. The work of removal and reinterment was satisfactorily performed under the direction of ex-Mayor Samuel A. Green.

The following is a list of interments made during the year 1895 in the cemeteries :

Calvary	1,937	*Phipps-st. Ground	90
Mt. Hope	1,813	*Central Ground	39
Forest Hills	881	*Dorchester, North	24
Woodlawn	962	Union Ground	52
Mt. Auburn	515	Mt. Benedict	1,226
Cedar Grove	368	*Evergreen	79
*Bennington-st., E.B.	160	Bunker Hill, Roman	
St. Augustine	73	Catholic	35
*Dorchester South	12	*Granary Ground	3
Ohabei Shalom	20	*South Ground	0
Codman	24	Dorchester, Roman	
Gethsemane	36	Catholic	255
Walk Hill	1	*Westerley	2
*Bunker Hill, Protes-		*King's Chapel	
tant	3	Ground	0
*Copp's Hill	3		

* In charge of the Board of Health.

BATH-HOUSES.

The eighteen public bath-houses were open during June, July, August, and September as usual, the expense of their maintenance being \$16,000, this sum including the outlay for the building of one new bath-house, and for repairs of the old ones. The following table shows the number of bathers of each sex during the season. The falling off as compared with the number of bathers during the previous season is doubtless accounted for by the cooler weather.

For Men and Boys.

	1894.	1895.
West Boston bridge, foot of Cambridge street	65,260	43,925
Craigie's bridge, foot of Leverett street	107,680	72,400
Charles-river bridge, near Causeway street	74,064	47,101
East Boston, Sectional Dock, Border street	54,474	43,442
Mt. Washington-avenue bridge, near Federal street	63,911	46,880
South Boston, foot of L street, Dorchester bay	283,465	181,658
Dover street, at south pier	44,585	39,257
East Boston, Maverick street	52,097	36,567
Chelsea bridge, Charlestown	45,501	41,508
Malden bridge	56,347	26,193
Commercial point	13,560	10,848

For Women and Girls.

Charles-river bridge, near Causeway street	64,018	29,299
East Boston, Sectional Dock, Border street	34,611	24,922
South Boston, foot of M street,	59,038	51,185
Dover street, at South pier	21,791	22,610
Commercial point, Dorchester	20,139	26,745
Chelsea bridge, Charlestown	16,225	17,945
Malden bridge, Charlestown	5,909	4,340
Total men and boys	860,944	589,779
Total women and girls	221,731	177,046
Total of both sexes	1,082,675	766,825

The subject of maintaining bath-houses all the year round was the subject of a special recommendation by His Honor the Mayor in his inaugural address to the City Council, and a special commission has since been appointed by him to consider the subject, and make such recommendations with a view to establishing such accommodations as may be deemed expedient. The supplying of public bathing facilities during the winter as well as during the summer months has the cordial approval of the Board of Health as being in the line of promoting the public health.

UNDERTAKERS.

Appointed annually. (Pub. Stat. 1890, chap. 210, sect. 1.)

LIST OF UNDERTAKERS, CITY OF BOSTON.

Abrams, Barnett, 4 Williams-street terrace . . .	Ward 19
Alexander, Alexis, 42 Cedar street, Rox. . .	" 21
Avdon, Michael, 8 Morton street . . .	" 7
Badaracco, Andrew A., 11 No. Bennet street . .	" 6
Balfe, Thomas J., 258 Broadway . . .	" 13
Banks, Walden, 170 Cambridge street . . .	" 9
Barry, Michael, 371 Harrison avenue . . .	" 16
Barry, David, 114 and 116 Commercial street . .	" 24
Belgard, Philip, 15 Arnold street . . .	" 19
Bennison, Charles E., Gladstone street . . .	" 1
Brady, Patrick J., 177 Green street . . .	" 23
Briggs, Frederick L., 20 Howard street . . .	" 10
Brown, Edwin G., 232 Meridian street . . .	" 2
Brown, Charles R., 584 Dudley street . . .	" 20
Brown, Julia A. F., 14 Bennington street . .	" 1
Bryant, John, 15 Austin street . . .	" 5
Bryant, John E., 15 Austin street . . .	" 5
Bryant, T. Weston, 15 Austin street . . .	" 5
Buckley, James A., 80 Endicott street . . .	" 7
Burke, John B., 60 Leverett street . . .	" 8
Burke, Edmond C., opp. Jamaica Plain station	" 23
Callahan, Timothy F., 39 Main street . . .	" 5
Caro, Solomon M., 157 Kneeland street . . .	" 12
Cassidy, William J., 120 Harrison avenue . .	" 12
Chester, Charles E., Trinity church . . .	" 11
Clark, William C., Long Island . . .	" 2
Cleary, J. P., 5 Pyncheon street . . .	" 21
Cobb, Charles W., 99 Main street . . .	" 5
Colbert, Charles E., 144 Harrison avenue . .	" 12
Cole, George S., 306 Broadway . . .	" 13
Cole, Harry, H., 9 Hancock street . . .	" 24

Cole, Jabez B., 124 Dorchester street . . .	Ward 14
Connell, Austin H., 815 Albany street . . .	" 20
Costello, W. P., 129 Shawmut avenue . . .	" 16
Crane, F. E., 780 C Tremont street. . . .	" 18
Crane, Horace R., 25 Walnut street, and 1859 Dorchester avenue	" 24
Crogan, James P., 87 Chelsea street	" 5
Crosby, Elizabeth A., 10 Warren street . . .	" 20
Crosby, Frederick J., 10 Warren street . . .	" 20
Dacey, C. M., 64 Devens street, Ch'n District .	" 5
Dolan, James W., 1380 Dorchester avenue . .	" 24
Donovan, Patrick J., 95 E. Lenox street . . .	" 19
Doolin, John, 211 Third street and 245 Dorches- ter street	" 14
Doyle, Thomas, 2278 Washington street . . .	" 21
Eastman, Alman L., 251 Tremont street . . .	" 12
Fallon, James P., 145 Dudley street	" 21
Fallon, John D., 736 Centre street	" 23
Farrell, Michael A., 1336 Tremont street . . .	" 19
Feeley, Thomas, 128 Freeport street	" 24
Feeney, John, 364 Hanover street	" 6
Field, George V., 214 Dorchester street . . .	" 15
Gleason, R., 345 Washington street	" 24
Glidden, Charles S., 482 Dudley street . . .	" 20
Gleason, E. F., 345 Washington street	" 24
Guggenheim, Joseph, 111 W. Brookline street .	" 17
Harrigan, Daniel P., 365 Warren street . . .	" 21
Haynes, James, 8 Ferdinand street	" 11
Healy, Oliver F., 98 Kneeland street	" 12
Heintz, John, 1124 Tremont street	" 19
Hill, George, South street	" 23
Hogue, Alphonse, 8 Dearborn street	" 20
Jacobs, Louis, 40 Porter street	" 16
Johnson, George, 251 Tremont street	" 12
Jones, Lewis L., 50 La Grange street	" 10
Keating, Thomas J., 322 Bunker Hill street .	" 4
Kelly, Arsenus J., 11 Meridian street	" 2
Kelly, Michael J., 37 Maverick square	" 2
Kennedy, P. T., 11 N. Bennet street	" 6
Lane, Thomas J., 120 Havre street	" 2
Langone, Joseph A., 84 Endicott street . . .	" 7
Lavery, Frank W., 54 A street	" 13
Lavery, John W., 54 A street	" 13
Leary, Lewis W., 146 Broadway	" 13
Leonard, Thomas F., Tremont street, corner Chester park	" 18
Levine, Michael, 12 Morton street	" 7

Lewis, Fred H., 132 Charles street . . .	Ward 10
Linnehan, C. P., 98 Kneeland street . . .	" 12
Lippa, William, 48 Salem street . . .	" 7
Lobsenz, Nathan, 8 Oneida street . . .	" 16
Maloney, Frank S., 123 Maverick street . . .	" 2
Mann, Lewis A., 145 Dudley street . . .	" 21
Marsh, W. W., 475 Cambridge street . . .	" 25
McCaffrey, John, 75 Albany street . . .	" 12
McCaffrey, Christopher P., 75 Albany street . . .	" 12
McCarthy, Marcus B., 119½ Pleasant street . . .	" 11
McCartney, Timothy, 328 Bunker Hill street . . .	" 4
McCugh, Hugh, Roslindale . . .	" 23
McMackin, Bernard, 129 Endicott street . . .	" 7
Mitchell, M. J., 324 Bunker Hill street . . .	" 4
Morris, Jerome S., 165 London street . . .	" 2
Morris, John, London street, cor. Porter street, . . .	" 2
Muldoon, Joseph L., Market street . . .	" 25
Mullen, James, 84 Charlestown street . . .	" 7
Mullen, M. J., 650 Broadway . . .	" 14
Mullen, Patrick H., 650 Broadway . . .	" 14
Murphy, Michael J., 428 Hanover street . . .	" 6
Murray, E. A., 29 Thacher street . . .	" 7
O'Donnell, James F., 204 Broadway . . .	" 13
Orcutt, E. B., 395 Cambridge street . . .	" 25
Peak, John H., 1374 Washington street . . .	" 17
Peak, John H., Jr., 1374 Washington street . . .	" 17
Perry, Charles L., 366 Cambridge street . . .	" 25
Rafferty, Patrick H., 4 Travers street . . .	" 7
Raftery, Thomas E., 1104 Tremont street . . .	" 19
Reade, John, 187 Main street . . .	" 5
Regan, Martin, 1032 Tremont street . . .	" 19
Ring, Timothy F., 205 D street . . .	" 13
Roach, Edward E., 191 Pyncheon street . . .	" 21
Roeder, John R., Henshaw street . . .	" 25
Smith, Benjamin F., 251 Tremont street . . .	" 12
Smith, Samuel G., 106 Dorchester street . . .	" 14
Sprague, John W., 120 Meridian street . . .	" 2
Sullivan, J. F., 358 Market street . . .	" 25
Sullivan, Samuel J., 545 Harrison avenue . . .	" 17
Sullivan, T. J., 258 Broadway . . .	" 13
Stockman, Charles A., 79A Warren street . . .	" 21
Summerville, Joseph J., 3149 Washington street, . . .	" 23
Thorpe, J. J., Dorchester street, near Gold st.. . .	" 15
Tinkham, Charles F., 20 Howard street . . .	" 10
Tinkham, Jeremiah, 20 Howard street . . .	" 10
Vinal, Frederick, Deer Island . . .	" 2
Washburn, Cheney D., Commonwealth avenue . . .	" 11

Waterman, Frank S., 2326 Washington street .	Ward 21
Waterman, George H., 2326 Washington street,	" 21
Watson, Bernard L., 7 Auburn street .	" 19
Willard, George A., 110 Dorchester street .	" 14
Williams, N. M., 1386 Washington street .	" 17
Williamson, Joseph, 29 Vernon street .	" 19
Wittenberg, Solomon, 112 Richmond street .	" 6

EXAMINATION OF PLUMBERS.

For the year ending January 31, 1896, the Examining Board held 44 meetings and examined 258 candidates for plumbers' licenses; 93 were for master plumbers' licenses, and 50, or 52 per cent., passed the examination and were licensed; 165 were examined for journeyman plumbers' licenses, and 106, or 64 per cent. passed the oral examination and were notified to report at the shop for a practical test. Of the 106 candidates who passed the oral examinations, 77 passed successful examinations in the shop and were given licenses.

LYING-IN HOSPITALS.

During the year 423 confinements have taken place in the licensed hospitals, and no deaths have been reported.

These hospitals have been regularly visited and inspected by the Medical Inspector.

STABLES.

There have been 248 applications for the occupancy of stables filed with this Board. Of this number 104 have required public hearings.

The action taken is as follows:

Granted	198
Refused	37
Applications withdrawn	7
Awaiting action	6
Total	<hr/> 248

PROSECUTIONS.

During the year there have been 30 prosecutions for violations of various health laws. In these cases there were 25 convictions, 2 acquittals, 2 were nol-prossed, and 1 is still pending.

Of the convictions perhaps the most important was that of a physician for failing to report a case of contagious disease

which he had been called to attend. In this case a fine of fifty dollars was imposed in the lower court, and after an appeal and trial before a jury, the judgment of the lower court was affirmed and the fine increased to one hundred dollars.

APPOINTMENTS.

Edwin F. Pilsbury was appointed by the Mayor and confirmed by the Board of Aldermen as a member of the Board of Health for the term of three years, from the first of May, 1895.

An act to revise the city charter was passed by the Legislature in June, placing the department of inspection of milk and vinegar, and the department of inspection of provisions, in charge of the Board of Health. In accordance with the provisions of said act, Dr. Charles Harrington was appointed Health Inspector for the inspection of milk and vinegar and Mr. John Grouse was appointed Health Inspector for the inspection of provisions. These appointments took effect on the first of July.

On the 5th of December the resignation of Dr. Francis A. Lane as port physician was accepted.

Dr. David D. Brough, assistant port physician, was appointed port physician in place of Dr. Lane, resigned, which appointment took effect on December 6.

On the 7th of December Dr. B. H. Metcalf was appointed assistant port physician in place of Dr. Brough, promoted.

On the first Monday in May the Board organized by the choice of Samuel H. Durgin, M.D., as chairman, and Chas. E. Davis, Jr., as secretary.

FINANCIAL STATEMENT.

EXPENSES FOR TWELVE MONTHS, ENDING JANUARY 31,
1896.

Board of Health (salaries)	\$8,716 67	
Clerk-hire	10,178 12	
Messenger	558 21	
Inspectors of nuisances	27,156 50	
Veterinary inspector at abattoir,	3,542 29	
Medical inspectors	5,811 75	
Superintendent of pedlars	1,196 52	
Maintenance of hospital	1,816 93	
Contagious diseases (other than small-pox)	17,705 04	
Disinfection	12,971 94	
Abatement of nuisances	394 14	
Epidemic hospital	2,820 52	
Care of public urinals	4,504 83	
Care of burial-grounds	4,896 15	
Postage	878 70	
Telephone	831 63	
Travelling expenses of officers,	1,467 00	
Office expenses	818 64	
Vaccination	296 94	
Horses and vehicles	1,169 64	
Stationery	435 22	
Printing	2,876 96	
Advertising	12 50	
Medical examination of police and firemen	1,120 00	
Examination of plumbers	200 00	
	<hr/>	\$112,376 84
Public baths :		
Labor	\$15,595 48	
Other expenses	3,242 04	
	<hr/>	18,837 52
Evergreen Cemetery :		
Labor	\$2,880 50	
Other expenses	374 07	
	<hr/>	3,254 57
<i>Carried forward,</i>		<hr/> \$134,468 93

<i>Brought forward,</i>		\$134,468 93
Quarantine :		
Port physician and assistant .	\$2,130 52	
Gallop's Island	4,776 69	
Steamer " Vigilant " . . .	11,044 35	
Other expenses	469 02	
		<hr/> 18,420 58
Inspection of provisions		1,209 63
Inspection of milk and vinegar		5,654 04
		<hr/>
Total		\$159,753 18

RECAPITULATION.

Appropriation	\$150,000 00	
Income from Evergreen Cemetery,	1,508 37	
¹ Inspection of milk and vinegar,	6,599 26	
¹ Inspection of provisions	1,653 84	
		<hr/> \$159,761 47
Appropriation		\$159,761 47
Expended		159,753 18
		<hr/>
Balance unexpended		\$8 29

INCOME.

Quarantine	\$7,835 23
Evergreen Cemetery	1,508 37
Inspector Milk and Vinegar	809 50
Rents (from buildings on the Epidemic Hos- pital grounds)	575 00
Disinfecting	120 00
	<hr/>
Total	\$10,848 10

¹ These sums are the unexpended balances turned over when these departments were transferred to the Board of Health.

REPORT OF PHYSICIAN TO THE BOARD OF
HEALTH.

BOSTON, January 1, 1896.

To the Board of Health:

GENTLEMEN: I have the honor to submit the following report for the year ending December 31, 1895:

There have been 2,581 persons vaccinated, and certificates of vaccination have been given to 1,142 who have returned and proven themselves entitled to such certificates.

CITY PRISON.

On Sundays and holidays this institution has been visited, and the following diseases have been treated during the year: bronchitis, colic, delirium tremens, diarrhoea, epilepsy, otitis, rheumatism, synovitis, concussion, fracture, sprain, gunshot wounds, incised wounds, and scalp wounds.

SUFFOLK COUNTY JAIL.

In this institution 1,221 have been treated, requiring 3,299 visits. Two deaths from heart disease have occurred. Four patients have been sent to the hospital, 2 of these going to the Boston City Hospital and 2 to the Massachusetts General Hospital. Three patients were sent to the insane asylum. A tabular statement of the cases treated at this institution is appended:

Tabular Statement of the Diseases treated at Suffolk County Jail,
for the Year ending December 31, 1895.

DISEASES.	Remaining Jan. 1, 1895.	Treated during the year.	Recovered.	Improved.	Sent to Hospital.	Sent to Insane Asylum.	Discharged from custody.	Deaths.	Remaining Dec. 31, 1895.
General Diseases :									
Anæmia		16		16					
Febricula		45	45						
Fever, intermittent		8	7				1		
Marasmus		1			1				
Phthisis pulmonalis		5		5					
Rachitis		1					1		
Rheumatism, acute		4	4						
Rheumatism, chronic	2	47		49					
Functional Diseases of Nervous System :									
Delirium tremens		182	181						1
Epilepsy		5		5					
Neuralgia		50	50						
Organic Neuritic Disease :									
Sciatica		2	2						
Diseases of the Intellect :									
Dementia	1	3				2	2		
General Paralysis		1			1				
Mania		2				1	1		
Diseases of Heart :									
Fatty degeneration		2						2	
Diseases of Bronchi :									
Asthma		1		1					
Bronchitis, acute	2	41	43						
Bronchitis, chronic		9		9					
Diseases of Lungs :									
Pneumonia		1			1				
Diseases of Fauces :									
Pharyngitis		21	21						
Carried forward	5	447	353	85	3	3	5	2	1

STATEMENT OF THE DISEASES AT SUFFOLK COUNTY JAIL. — *Continued.*

DISEASES.	Remaining Jan. 1, 1895.	Treated during the year.	Recovered.	Improved.	Sent to Hospital.	Sent to Insane Asylum.	Discharged from custody.	Deaths.	Remaining Dec. 31, 1895.
<i>Brought forward</i>	3	447	353	85	3	2	5	2	1
Tonsillitis, acute		1	1						
Tonsillitis, follicular		6	6						
Diseases of Larynx:									
Laryngitis		1	1						
Diseases of Kidneys:									
Bright's disease		1					1		
Diseases of Liver:									
Hepatitis		1					1		
Diseases of Digestive System:									
Colic		2	2						
Constipation		214	214						
Diarrhoea		92	92						
Functional Diseases of Women:									
Dysmenorrhoea		6		6					
Menorrhagia		1		1					
Pregnancy		1					1		
Diseases of Cutaneous System:									
Acne		4		4					
Dermatitis		2	2						
Eczema		14	14						
Furuncle		2	2						
Herpes		1	1						
Onychia		1	1						
Phthiriasis		21	21						
Scabies		20	19						1
Urticaria		2	2						
Verruca		2	2						
Diseases of Eye:									
Conjunctivitis		12	11				1		
Poisons:									
Cocaine habit		1					1		
Opium habit	1	13					14		
<i>Carried forward</i>	6	868	744	96	3	3	24	2	2

STATEMENT OF THE DISEASES AT SUFFOLK COUNTY JAIL. — *Concluded.*

DISEASES.	Remaining Jan. 1, 1896.	Treated during the year.	Recovered.	Improved.	Sent to Hospital.	Sent to Insane Asylum.	Discharged from custody.	Deaths.	Remaining Dec. 31, 1895.
<i>Brought forward</i>	6	988	744	96	3	3	24	2	2
Surgical diseases:									
Abscess		15	14						1
Chancreoid		3	3						
Chronic Ulcer		5		4			1		
Gonorrhoea	4	44		45					3
Hæmorrhoids		5		4					1
Hernia		2					2		
Hydrocele		5		5					
Leucorrhoea		2		2					
Mastitis		1	1						
Otitis		2	2						
Orchitis		1					1		
Syphilis		23		21					2
Varix		1		1					
Injuries:									
Abrasions		19	18						1
Burns		4	3						1
Concussion of brain		1			1				
Contusions		23	23						
Fractures		2	2						
Sprains		13	13						
Wounds:									
Gunshot		2	2						
Incised		27	26				1		
Lacerated		13	10				2		1
Scalp	1	44	42				3		
Total	11	1,125	903	178	4	3	34	2	12
Malingering		85	85						
Grand total	11	1,210	988	178	4	3	34	2	12

CITY TEMPORARY HOME.

At this institution 161 visits have been made. Three deaths have occurred. Five patients were sent to the Boston City Hospital and 1 to the Massachusetts General Hospital. The following diseases and injuries were treated: Bronchitis, childbirth (11 cases), delirium tremens, dermatitis, eczema, hæmatemesis, intermittent fever, ophthalmia, pneumonia, rheumatism (acute and chronic), septicæmia, syphilis, abrasions, contusions, lacerations, and sprains.

The work of vaccination and of attendance on the various institutions named has been performed by Dr. George A. Sargent, Medical Inspector.

INFECTIOUS DISEASES.

Thirty-nine cases reported as small-pox have been examined. None of these have proven to be variola. Each case of varicella reported has been carefully scrutinized, and when any circumstance, such as the age of the patient, or his general surroundings, has seemed to make the case at all suspicious, a personal visit has been made and the diagnosis confirmed by careful inspection.

Although the general supervision of scarlet fever and diphtheria has been assigned to medical inspectors of schools, still, in many cases, the services of a physician from this department have been required. The Board of Health, also, from time to time, has ordered forcible removals in cases of diphtheria, when the best interests of the city seemed to demand such action. Dr. Thomas B. Shea, medical inspector, has visited all these cases, and has personally superintended each forcible removal.

EXAMINATIONS FOR POLICE AND FIRE DEPARTMENTS.

Five hundred and forty-one men have been examined at the request of the Civil Service Commission for appointment in the Police and in the Fire Departments. At the request of the Board of Police nine men have been examined for retirement. At the request of the Fire Commissioner six men have been examined for retirement. Dr. Morton Prince has personally conducted these examinations.

DEATH RETURNS.

The bodies of 474 persons dying without a physician have been examined, and a proper certificate returned. A tabular statement of the cases investigated is appended. It will be

noticed that more cases are marked "unknown" than in previous years. These are principally infants who have died suddenly in convulsions. It was thought better, for statistical reasons, to assign such cases to unknown causes, rather than to tabulate them by mere conjecture. It is recommended that undertakers be notified to show especial diligence in making prompt returns of all cases which are to be investigated from this office, as a compliance with the requirements of such notification will greatly facilitate the work of the physician.

Respectfully submitted,

WILLIAM G. MACDONALD, M.D.,

Physician to the Board of Health.

Tabular Statement of the Causes of Deaths investigated by Physician to the Board of Health for the Year ending December 31, 1895.

DISEASES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
I. — Zymotics.													
Diarrhœa								1					1
Diphtheria	1						1	2	1	1	3	2	11
Measles	1				1	2							4
Typhoid fever							1		1	1	1	1	5
Whooping-cough	1						1		1				3
II. Constitutional.													
Cancer		2		1	1								4
Marasmus	2	2	1		3	1	3	6	8	3			29
Phthisis pulmonalis	2	2	7	6	4	7	6	7	2	5	2	4	55
Tubercular meningitis	2		2	1			1					1	7
Other constitutional diseases	1					1		1	2	2		1	8
III. Local.													
Apoplexy	1	1	2	1	1	2	1	1		2	1	2	15
Bronchitis	2	5	1	8							2	1	19
Gastro-enteritis	1		3		2	2	9	5	5	8	2	3	40
Heart disease	6	4	14	5	7	4	2	5	5	3	2	12	70
Meningitis						1	1		1	1	1		5
Nephritis					1		1		2	1		3	8
Pneumonia	5	8	3	4	2	1		1	1	2	4	1	32
Other local diseases	1	2		1			1	3	1				9
IV. Developmental.													
Inanition	2	1	4	2			1	3	1	2	1		17
Old age	6	2	5	1		2		3	2	1	2	1	29
Premature birth	1	2	2	1	2	2	1	3					14
Other developmental diseases	1			1	1								3
V. Violent.													
Accidental	1			2			1		1		1	1	7
Unknown	3	1		6	7	2	4	1	3	4	5	8	44
Still-births	2	4	5	3		3	5	2	1	2	2	2	31
Referred to Medical Examiner			1			1		1				1	4
Total	42	36	50	41	32	31	40	45	39	41	31	44	474

QUARANTINE STATION,
BOSTON HARBOR, February 1, 1896.

To the Board of Health:

GENTLEMEN: I have the honor to submit the following report of the Quarantine Department for the year ending December 31, 1895:

During the entire year all vessels from foreign ports except those from British North America, and all vessels from foreign ports having entered a United States port without complete discharge of passengers or cargo, have been stopped at this quarantine for inspection.

From June 1 to October 31 inclusive all vessels from ports south of Virginia have been detained for inspection.

During the year the following cases have been taken to Gallop's Island for treatment or detention:

January 15 a pauper from Deer Island was found to have measles. She was removed to Gallop's Island for isolation.

On the 18th of February two servants from one of the hotels in the city were found to be suffering from diphtheria. Not being able to obtain accommodation at the City Hospital, owing to the crowded condition of the contagious wards, they were sent to Gallop's Island.

An attendant at Austin Farm suffering from measles was sent to Gallop's Island for isolation April 9.

April 17 a boy with measles was sent from Boston, as there was no room at the City Hospital.

On the 9th of May a seaman on the S.S. "Gallina," from Mediterranean ports, was found to have typhoid fever. He was removed, together with his bedding and dunnage.

May 27 a woman, a steerage passenger on the S.S. "Catalonia," was removed for further observation, as the ship's surgeon thought it might be typhoid. It proved to be a case of enteritis.

A steerage passenger suffering from varicella was taken from S.S. "Gallia" June 2. Another steerage passenger on the same ship, a woman, was removed for refusing to be vaccinated. She was discharged the next day, after being vaccinated at her own request.

August 9 a man was admitted from Boston. He had such severe symptoms that the attending physician in the city diagnosed the case as Asiatic cholera. A bacteriological examination of the stools, by Dr. Ernst, proved it to be a severe form of cholera morbus.

A man afflicted with leprosy was sent down from Boston September 11. He is still in the hospital.

Total number of cases admitted, eleven. All recovered.

April 10 one of the crew of the fishing schooner "Mizpah" was stricken with scarlet fever while the vessel was lying at her dock. The case was removed April 10 to the City Hospital.

The rest of the crew were inspected and the vessel fumigated before proceeding again to sea.

On the 7th of September a case of diphtheria was discovered amongst one of the crew of the S.S. "Gate City" while she was at her dock in Boston. She was disinfected and fumigated. The rest of the crew were carefully examined before sailing. No more cases occurred.

S.S. "Rita" on July 17, S.S. "Henry Dumors" August 12, S.S. "Taff" September 16, all bound for Southern domestic ports, were at the request of their agents disinfected by burning roll sulphur of not less than three pounds to the thousand cubic feet for twelve hours in the various compartments of the vessels, and their crews inspected. All persons on board were in excellent condition when leaving port.

All other vessels than those specially noted, that were inspected during the year, were free from any contagious disease and in good sanitary condition.

The vessels inspected during the year were from the following ports :

West Indies	358	Calcutta	4
Liverpool	184	Nicaragua	4
Coastwise	145	Singapore	3
London	83	Azores	3
South America . . .	59	Egypt	2
Glasgow	27	Cebu	2
Hamburg	27	Danzig	2
Hull	23	South Africa . . .	2
Antwerp	22	Chitagong	1
Mediterranean ports .	22	Penarth	1
Mexico	20	Harburg	1
Manila	14	Plymouth	1
Java	8	Marseilles	1
Swansea	7	Archangel	1
Australia	5	Southampton . . .	1
West Coast Africa . .	5		
		Total	1,038

Classified as follows :

Steamers	637
Schooners	234
Barks	106
Brigs	48
Ships	13
Total	<u>1,038</u>

Number of vessels disinfected 5
 one of which was a schooner; all the rest were steamers.

Number removed from vessels for sickness 3
 Removed for refusing vaccination 1
 Number of persons vaccinated 1,014

In addition to the list of vessels boarded, there were nine steamers, three barks, and one brig, all from foreign ports *via* a United States port, but not having discharged their cargoes, which were boarded and inspected. As their bills showed that they had already paid their quarantine fees at some other United States port, the usual dues of this quarantine were not collected.

Of these vessels whose fees were remitted :

7 paid quarantine fees at New York.
 3 " " " " Newport News.
 2 " " " " Norfolk.
 1 " " " " Baltimore.

The receipts of the department have been as follows :

Vessels of 500 tons and over, 757, at \$8	\$6,056 00
Vessels under 500 tons, 281, at \$5	1,405 00
Disinfection of 1 vessel, at \$25	25 00
Disinfection of 1 vessel, at \$20	20 00
Disinfection of 2 vessels, at \$15	30 00
Disinfection of 1 vessel, at \$10	10 00
Vaccinating 1,014 persons, at 25c.	253 50
Total	<u>\$7,799 50</u>
Paid City Collector	<u>\$7,799 50</u>

In addition to the above amount of cash, bills for board to the amount of \$60.01 were turned over to the City Collector for collection.

Total number of persons inspected during the year was

65,240. Of these, 4,213 were cattlemen, 30,526 seamen, and 30,501 passengers.

The following vessels ran by quarantine during this year:

January 8. Schooner "Molega," from Turk's Island; cargo, salt.

February 20. Brig "George," from Hayti; cargo, logwood.

February 20. Schooner "Sierra," from Hayti; cargo, logwood.

March 21. Schooner "John A. Matheson," from Cienfuegos; cargo, molasses.

June 2. Steamship "City of Macon," from Savannah; cargo, general.

July 5. Schooner "Ida L. Latham," from Brunswick; cargo, lumber.

July 19. Bark "Bessie Markham," from Cienfuegos; cargo, sugar.

October 11. Steamship "Cornal," from Galveston; cargo, cotton.

October 19. Schooner "Frank W. Howe," from Brunswick; cargo, lumber.

All of these vessels were required to receive the usual quarantine permit before entering at the Custom House.

There have been many and various improvements made on Gallop's Island during the year. The island is now in a more satisfactory condition than it has been for a long time.

The barn has been overhauled and repaired. Seven new stalls have been built for the use of the antitoxine horses, and six of them are at present in constant use. With the exception of some repairs on the roof, which may be needed later, the barn is now in first-class condition.

A new building has been erected close to the north-east corner of the barn. The building is about 40 × 30 feet. It consists of a large room for rearing the guinea-pigs, a bleeding-room, and a laboratory. It has a sufficient water supply from the city mains, and is heated by two large stoves.

On the wharf a new coal-run has been built, and the roof of the coal-shed has been repaired, tarred, and gravelled.

On the easterly side of the wharf a new set of side steps and landing for the row-boat have been built. The bath-house and steam-room are now practically continuous, the passageway between them having been roofed in. The old flag-staff that has been on the island for thirty-three years has been reset and firmly guyed with wire-ropes. The wet land below the road, between the fever hospital and stable, has been drained by a deep drain running from the road to

the beach. The dwelling-house, barn, the two hospitals, both detention buildings, the ice-house, steam-room and bath-house, hen-house, carpenter-shop, and antitoxine buildings have been painted since last fall. With the exception of the dwelling-house all have been more or less extensively repaired and completely repainted inside. The fever hospital has also been refurnished throughout, and is now in a complete condition. The small-pox hospital is now being renovated, and is rapidly approaching completion.

The heavy storms of the year washed away a portion of the roadway in front of the small-pox hospital and threatened the foundations of that building. This has now been repaired and the old rip-rap wall has been relaid, and with the addition of 130 tons of granite, a solid, upright wall, faced with a strong rip-rap addition, has been carried from the end of the government wall for about 125 feet towards the wharf. This has stood several severe storms, and we hope that for some years at least it will afford protection for the roadway.

All these repairs and improvements, except the erection of the antitoxine building and the coal-run and the repairs on the barn, have been done by labor furnished to this department from Deer Island, and Capt. George T. Ranlett has had entire supervision of the work. The department rests under a deep obligation to him for his many services during the year.

The annoyance of the defective and irregular water supply is now past history. The Water Board have placed a new 6-inch pipe in a trench 5 feet deep between Gallop's and Long Islands, and has obviated the danger of being broken by vessels dragging their anchors. The pipe has been continued on to the island by tunnelling the wall at the north-westerly end of the island and then carried along the roadway in front of the small-pox hospital. The old pipe that ran along the beach has been taken up and removed.

Under the management of Overseer F. L. Blanchard, the farm has been well fertilized, and the product of the island has increased to a considerable amount over the last few years.

The produce of the island has been as follows :

Potatoes . . .	120 bushels	Tomatoes . . .	15 bushels
Carrots . . .	125 "	Onions . . .	10 "
Beets . . .	63 "	Grapes . . .	2 "
Turnips . . .	19 "	Squash . . .	125
Hay . . .	3 tons	Pumpkins . . .	400
Parsnips . . .	3 bushels	Cabbages . . .	300

and enough garden vegetables in their season to supply the quarantine steamer and the island.

The head-boards in the graveyard have been taken up for the purpose of being repainted and relettered this winter.

The production of antitoxine has been continued during the year under the supervision of Dr. H. C. Ernst. Six horses are at present on the island, all of which are immunized. They are bled regularly and are in excellent condition. Besides these horses five others have been brought to the island, two of which died from the effects of the injections long before arriving at the stage of immunization. Two were returned to Boston, being too susceptible to the action of the toxine, and one was killed, as it reacted strongly to the mallein test for glanders.

The steamer "Vigilant" is in good condition. Besides her usual annual repairs, her sea and outboard delivery valves have been replaced by new ones of composition metal.

Dr. Francis A. Lane, port physician, resigned December 5th to enter private practice, and on the same date Dr. David D. Brough was appointed to succeed him. Dr. Ben. H. Metcalf was appointed assistant port physician, and entered on his duties January 1, 1896.

Respectfully submitted,

DAVID D. BROUGH, M.D.,

Port Physician.

REPORT OF THE INSPECTOR OF MILK AND VINEGAR.

BUREAU OF MILK INSPECTION,
994 WASHINGTON STREET, BOSTON, MASS.

To the Board of Health, Boston, Mass.:

GENTLEMEN: I have the honor to report on the work performed by the Department for the Inspection of Milk and Vinegar from January 31, 1895, to July 1, 1895, when the department as such ceased to exist, and on that performed by its successor under the Board of Health, the Bureau of Milk Inspection, from the latter date to January 31, 1896.

In February, 1895, Mr. Joseph F. Baldwin, who for nearly four years had faithfully performed the duties of a collector of samples, was obliged by ill health to resign his position, and in March Mr. Thomas A. Ball was appointed in his place. In August Mr. Dennis J. Quinn, who, since September, 1891, had acted as agent to the inspector of milk for special work in the enforcement of the statutes of that year relative to oleomargarine, and in the investigation of the quality of milk as sold in restaurants, became incapacitated for active work. With the exceptions above noted, the personnel of the bureau is the same as has obtained for several years under the Department for the Inspection of Milk and Vinegar.

During the year 12,587 samples of milk have been examined. As is the case in previous years, the larger part of these have been taken from milk-wagons during the early morning hours. Of the entire number, 7,285 were taken from wagons, 4,916 from stores and restaurants, and 386 were brought to the office for inspection by milkmen, storekeepers, and consumers. While a number of the samples examined have shown unusually extensive adulteration,—one, for instance, from a store being more than half water,—the tendency has been, as in previous years, constantly toward improvement. This is conspicuously noticeable in the case of restaurants. The adulterations were, as heretofore, mainly abstraction of cream and addition of water. The use of preservatives and coloring agents is very uncommon, and although more samples containing these substances were found than during the period covered by the last

report, their use is more restricted, for the colored and preserved specimens came chiefly from two dealers, both of whom paid heavy fines on several counts.

The methods of analysis employed have been the same as described in previous reports.

The further legislation relative to adulteration of milk, asked for of the Legislature of 1895, and referred to in the last report of the Department for the Inspection of Milk and Vinegar, was defeated in the Senate. It is probable that practically the same bill will be introduced during the present session.

During the past year complaints for the sale of milk not of good standard quality, based on seventy-three samples obtained by purchase in restaurants, were entered in the several district courts. The analyses of these samples are given in the table below:

No.	Fat.	Solids not Fat.	Total Solids.	No.	Fat.	Solids not Fat.	Total Solids.
1	1.52	5.99	7.51	21	3.04	7.65	10.69
2	2.52	5.22	7.74	22	1.60	9.20	10.80
3	1.18	7.02	8.20	23	2.00	8.80	10.80
4	1.11	7.12	8.23	24	1.92	8.90	10.82
5	1.02	7.76	8.78	25	1.52	9.32	10.84
6	2.82	6.14	8.96	26	1.22	9.67	10.89
7	3.42	5.98	9.40	27	1.90	9.02	10.92
8	0.90	8.55	9.45	28	2.23	8.72	10.95
9	0.95	8.60	9.55	29	2.00	8.98	10.98
10	2.20	7.50	9.70	30	2.02	8.98	11.00
11	1.02	8.76	9.78	31	2.18	8.85	11.03
12	1.50	8.29	9.79	32	1.82	9.27	11.09
13	1.22	8.68	9.90	33	2.50	8.60	11.10
14	2.62	7.58	10.20	34	2.20	8.91	11.11
15	2.40	7.86	10.26	35	2.30	8.82	11.12
16	1.58	9.01	10.59	36	2.30	8.83	11.13
17	1.70	8.90	10.60	37	2.40	8.74	11.14
18	1.62	8.99	10.61	38	2.10	9.17	11.27
19	1.62	8.99	10.61	39	2.39	8.90	11.29
20	2.02	8.64	10.66	40	2.48	8.81	11.29

No.	Fat.	Solids not Fat.	Total Solids.	No.	Fat.	Solids not Fat.	Total Solids.
41	2.23	9.08	11.31	58	3.00	8.64	11.64
42	2.10	9.23	11.33	59	2.90	8.79	11.69
43	3.08	8.29	11.37	60	2.60	9.10	11.70
44	2.50	8.90	11.40	61	2.02	9.75	11.77
45	2.82	8.59	11.41	62	3.02	8.75	11.77
46	2.50	8.92	11.42	63	2.80	9.00	11.80
47	2.60	8.82	11.42	64	3.50	8.34	11.84
48	2.58	8.86	11.44	65	3.40	8.46	11.86
49	2.40	9.06	11.46	66	3.02	8.87	11.89
50	2.62	8.87	11.49	67	4.28	7.61	11.89
51	2.30	9.20	11.50	68	2.70	9.22	11.92
52	2.62	8.88	11.50	69	3.02	8.90	11.92
53	2.52	9.01	11.53	70	3.22	8.71	11.93
54	2.60	8.93	11.53	71	2.90	9.04	11.94
55	2.62	8.93	11.55	72	2.88	9.07	11.95
56	2.85	8.75	11.60	73	3.30	8.68	11.98
57	2.52	9.11	11.63				

Complaints were entered against store-keepers for possession of milk not of good standard quality, with intent to sell, based on the analyses of sixty-six specimens, as follows :

No.	Fat.	Solids not Fat.	Total Solids.	No.	Fat.	Solids not Fat.	Total Solids.
1	1.60	4.23	5.83	8	2.30	8.20	10.50
2	2.00	7.57	9.57	9	3.22	7.30	10.52
3	1.18	8.70	9.88	10	2.02	8.61	10.63
4	1.24	8.70	9.94	11	2.60	8.20	10.80
5	1.92	8.15	10.07	12	2.23	8.60	10.83
6	1.43	8.89	10.32	13	2.42	8.44	10.86
7	2.22	8.23	10.45	14	2.10	8.81	10.91

No.	Fat.	Solids not Fat.	Total Solids.	No.	Fat.	Solids not Fat.	Total Solids.
15	4.40	6.55	10.95	41	3.82	7.83	11.65
16	2.42	8.56	10.98	42	2.40	9.28	11.68
17	2.23	8.81	11.04	43	3.10	8.59	11.69
18	2.60	8.44	11.04	44	2.50	9.20	11.70
19	2.02	9.06	11.07	45	2.62	9.08	11.70
20	2.18	8.89	11.07	46	2.45	9.31	11.76
21	2.20	8.87	11.07	47	2.97	8.82	11.79
22	2.40	8.67	11.07	48	3.65	8.15	11.80
23	2.85	8.31	11.16	49	3.50	8.31	11.81
24	1.82	9.36	11.18	50	2.30	9.52	11.82
25	2.00	9.18	11.18	51	2.90	8.92	11.82
26	2.78	8.41	11.19	52	2.98	8.84	11.82
27	2.28	8.95	11.23	53	3.37	8.47	11.84
28	2.38	8.90	11.28	54	3.20	8.66	11.86
29	2.30	9.07	11.37	55	2.83	9.04	11.87
30	2.78	8.59	11.37	56	3.00	8.87	11.87
31	3.20	8.18	11.38	57	3.12	8.75	11.87
32	2.37	9.04	11.41	58	2.80	9.08	11.88
33	2.62	8.79	11.41	59	2.95	8.94	11.89
34	2.38	9.08	11.46	60	3.58	8.32	11.90
35	2.58	8.89	11.47	61	3.77	8.13	11.90
36	3.38	8.10	11.48	62	2.80	9.13	11.93
37	2.90	8.62	11.52	63	2.70	9.25	11.95
38	2.82	8.74	11.56	64	3.02	8.94	11.96
39	2.60	8.97	11.57	65	3.40	8.59	11.99
40	2.83	8.81	11.64	66	3.02	9.06	12.08

One hundred and forty-six samples not of good standard quality, taken from wagons, forming the basis of other complaints in court, yielded the following results:

No.	Fat.	Solids not Fat.	Total Solids.	No.	Fat.	Solids not Fat.	Total Solids.
1	2.38	4.67	7.05	34	1.90	9.50	11.40
2	2.30	7.66	9.96	35	3.10	8.34	11.44
3	3.40	6.63	10.03	36	3.28	8.17	11.45
4	0.40	9.64	10.04	37	3.20	8.27	11.47
5	1.90	8.31	10.21	38	3.10	8.39	11.49
6	3.00	7.49	10.49	39	2.88	8.62	11.50
7	3.10	7.45	10.55	40	3.40	8.10	11.50
8	1.72	8.88	10.60	41	3.22	8.31	11.53
9	3.23	7.44	10.67	42	3.60	7.93	11.53
10	2.20	8.51	10.71	43	2.45	9.10	11.55
11	3.40	7.37	10.77	44	2.60	8.95	11.55
12	2.42	8.39	10.81	45	2.30	9.26	11.56
13	2.72	8.09	10.81	46	2.60	8.97	11.57
14	2.58	8.27	10.85	47	3.40	8.18	11.58
15	2.43	8.43	10.86	48	3.58	8.00	11.58
16	2.98	7.88	10.86	49	3.24	8.35	11.59
17	3.23	7.65	10.88	50	3.40	8.19	11.59
18	1.42	8.48	10.90	51	2.60	9.00	11.60
19	2.20	8.72	10.92	52	3.40	8.21	11.61
20	3.35	7.60	10.95	53	2.50	9.12	11.62
21	2.40	8.62	11.02	54	3.10	8.52	11.62
22	2.80	8.28	11.08	55	3.40	8.23	11.63
23	2.43	8.68	11.11	56	3.50	8.16	11.66
24	2.98	8.15	11.13	57	3.66	8.00	11.66
25	1.58	9.57	11.15	58	3.10	8.58	11.68
26	2.30	8.90	11.20	59	3.20	8.48	11.68
27	2.23	9.00	11.23	60	3.27	8.41	11.68
28	3.00	8.25	11.25	61	3.32	8.36	11.68
29	2.98	8.28	11.26	62	3.40	8.29	11.69
30	2.90	8.37	11.27	63	2.60	9.10	11.70
31	2.20	9.08	11.28	64	2.80	8.90	11.70
32	2.58	8.77	11.35	65	2.70	9.01	11.71
33	2.60	8.75	11.35	66	3.32	8.39	11.71

No.	Fat.	Solids not Fat.	Total Solids.	No.	Fat.	Solids not Fat.	Total Solids.
67	3.20	8.53	11.73	100	3.42	8.47	11.89
68	3.30	8.14	11.74	101	3.60	8.29	11.89
69	3.02	8.73	11.75	102	3.38	8.52	11.90
70	3.32	8.43	11.75	103	3.58	8.32	11.90
71	3.60	8.16	11.76	104	3.60	8.30	11.90
72	3.30	8.47	11.77	105	3.62	8.29	11.91
73	3.50	8.27	11.77	106	2.95	8.97	11.92
74	2.62	9.16	11.78	107	3.10	8.82	11.92
75	2.63	9.15	11.78	108	3.20	8.72	11.92
76	2.72	9.06	11.78	109	2.60	9.33	11.93
77	2.90	8.88	11.78	110	3.50	8.43	11.93
78	3.40	8.38	11.78	111	3.10	8.84	11.94
79	3.60	8.18	11.78	112	3.10	8.84	11.94
80	3.02	8.77	11.79	113	3.10	8.84	11.94
81	3.30	8.49	11.79	114	3.62	8.32	11.94
82	2.90	8.90	11.80	115	3.62	8.33	11.95
83	3.40	8.40	11.80	116	3.22	8.74	11.96
84	3.40	8.40	11.80	117	3.32	8.64	11.96
85	3.40	8.40	11.80	118	3.50	8.46	11.96
86	3.60	8.20	11.80	119	3.80	8.16	11.96
87	3.38	8.43	11.81	120	3.03	8.94	11.97
88	3.00	8.82	11.82	121	3.10	8.87	11.97
89	3.40	8.42	11.82	122	3.30	8.67	11.97
90	3.20	8.63	11.83	123	3.38	8.59	11.97
91	3.38	8.46	11.84	124	3.40	8.57	11.97
92	3.32	8.53	11.85	125	3.42	8.55	11.97
93	3.45	8.40	11.85	126	3.30	8.68	11.98
94	3.62	8.24	11.86	127	3.30	8.68	11.98
95	3.23	8.64	11.87	128	3.40	8.58	11.98
96	3.42	8.45	11.87	129	3.60	8.38	11.98
97	3.22	8.66	11.88	130	3.60	8.38	11.98
98	3.40	8.48	11.88	131	2.90	9.09	11.99
99	3.92	7.96	11.88	132	3.40	8.59	11.99

No.	Fat.	Solids not Fat.	Total Solids.	No.	Fat.	Solids not Fat.	Total Solids.
133	3.10	8.91	12.01	140	3.92	8.15	12.07
134	3.30	8.72	12.02	141	3.10	8.91	12.10
135	3.32	8.70	12.02	142	3.20	8.92	12.12
136	3.50	8.52	12.02	143	3.42	8.70	12.12
137	3.80	8.23	12.03	144	3.40	8.73	12.13
138	3.80	8.23	12.03	145	3.70	8.47	12.17
139	3.20	8.85	12.05	146	3.40	8.88	12.28

Complaints for possession of milk not of good standard quality and containing added coloring matter, with intent to sell, were entered based on samples which yielded the following results:

No.	Fat.	Solids not Fat.	Total Solids.	Color.
1	3.55	8.55	11.10	Annatto.
2	2.60	8.72	11.32	Caramel.
3	2.60	8.93	11.53	Annatto.
4	3.83	7.87	11.70	"
5	3.30	8.80	12.13	"

Eleven samples containing annatto, and seven containing boracic acid, all otherwise of good standard quality, were brought to the attention of the courts.

Eight samples from cans marked "Skimmed Milk," some of which proved to be watered skimmed milk; and others ordinary watered "whole milk," on which complaints were based for violation of the law relating to skimmed milk, yielded the following results:

No.	Fat.	Solids not Fat.	Total Solids.	Source.
1	0.20	4.97	5.17	Wagon.
2	0.56	7.58	8.14	"
3	1.63	7.06	8.69	"
4	1.91	8.52	10.43	"
5	2.89	8.71	11.60	Store.
6	5.27	6.38	11.65	"
7	3.07	7.92	11.99	"
8	3.28	8.84	12.12	Wagon.

A complete canvass was made of the several districts of the city to ascertain the location of every place where milk is sold. Several hundred shops were found whose owners, through ignorance of the law, inadvertence, or other cause, had neglected to be registered. To these persons notices were sent to the effect that they must at once register, or, continuing the sale without complying with the law, be brought before the courts. Most persons, so warned, at once complied; those who did not were prosecuted.

The local oleomargarine trade is now virtually dead, owing to the enforcement of chapters 58 and 412 of the Acts of 1891. Chapter 58 prohibits the sale of oleomargarine colored in imitation of yellow butter, and chapter 412 prescribes a number of regulations to be observed by dealers, and prohibits the serving of oleomargarine in restaurants and hotels without notification to the guest of the true character of the substance served. But ten persons or firms were licensed or registered as dealers in oleomargarine during the year against seventy-four during 1894. Most of these ten ceased selling after a short experience, the sale of colored goods meaning prosecution, the keeping of uncolored natural oleomargarine meaning limited sales and greater or less pecuniary loss. The prosecution of complaints based on twenty-one sales of the colored article sufficed to drive the fraudulent imitation out of the market. At present those desiring to use the colored oleomargarine obtain it on order from Rhode Island, or by ordering through agents who have regular canvassing routes in the city. The tubs are forwarded by express. The chief buyers are keepers of restaurants and boarding-houses. For a time a considerable increase was observed in the use of the article in restaurants, and

seventy-one cases were entered in court for failure to notify guests.

During the early part of the year the first of what was intended to be a series of carloads of "filled cheese" from Wisconsin was received in Boston and sold to reputable dealers in the city. Analysis of samples showed the article to be a product of lard and skimmed milk. A warrant was issued for the arrest of the selling agent, who at once left the city. The dealers who had bought were notified not to sell, and all stopped payment of their checks and returned the goods to the agent at Chicago. Since that time, so far as is known, there have been no further shipments.

The character of the vinegar and cider vinegar samples obtained has continued to be uniformly good, but few being found which required complaint in court.

SUMMARY OF ALL SAMPLES EXAMINED.

Number of samples of milk from wagons	7,285
" " " " shops and restaurants,	4,916
" " brought in by the public	386
" " butter and oleomargarine	582
" " cheese	6
" " vinegar and cider vinegar	804
Total	13,979

LICENSES.

Number of licenses issued to milk dealers	598
" of new registrations of shop-keepers who sell milk	1,019
" of licenses and registrations of dealers in oleomargarine	10
Total	1,627
Amount derived from above and paid to the city	\$813.50

COMPLAINTS.

During the year 461 offences were complained of in the various district courts, as follows:

Boston	213
Roxbury District	60
South Boston District	46
East Boston District	32
Charlestown District	39

HEALTH DEPARTMENT.

115

West Roxbury District	35
Dorchester District	24
Brighton District	12
Total	<hr/> 461

The offences charged were as follows :

Possession of milk not of good standard quality, with intent to sell	212
Sale of milk not of good standard quality (restaurant cases)	73
Possession of milk not of good standard quality and colored with annatto, with intent to sell	4
Possession of milk not of good standard quality and colored with caramel, with intent to sell	1
Possession of milk containing annatto, with intent to sell	11
Possession of milk containing boracic acid, with intent to sell	7
Possession of skimmed milk not of good standard quality, with intent to sell	8
Sale of milk, not being registered	20
Sale of milk, not being licensed	5
Exposing milk for sale from a wagon not bearing name and license number	4
Obstructing a collector in the performance of his duty	1
Sale of oleomargarine not properly labelled	3
Sale of oleomargarine, not being registered	6
Sale of colored oleomargarine (Sect. 1, Chap. 58, St. 1891)	21
Sale of oleomargarine as butter (Sect. 1, Chap. 412, St. 1891)	1
Sale of oleomargarine without posting placard (Sect. 3, Chap. 412, St. 1891)	2
Sale of oleomargarine from wagons not properly marked (Sect. 4, Chap. 412, St. 1891)	2
Serving oleomargarine in restaurants without notifying guests (Sect. 5, Chap. 412, St. 1891)	71
Possession of adulterated vinegar, with intent to sell,	2
Possession of adulterated cider-vinegar, with intent to sell	5
Sale of vinegar not the product of cider as cider-vinegar	1
Sale of adulterated cheese	1
Total	<hr/> 461

The results were as follows :

Warrants returned without service	12
<i>Nol pros'd</i>	7
Acquittals	20
Convictions	413
Pending	9

Of the cases appealed to the Superior Court, one was *nol pros'd*, three resulted in acquittal, eight are pending, and the rest settled in favor of the Commonwealth.

The amount paid in fines was \$12,044.

EXPENDITURES TO JULY 1, 1895.

Salaries and services	\$5,009 50
Maintenance of horse, horse hire, veterinary services, etc.	294 51
Purchase of new horse	225 00
Purchase of open wagon and harness	80 00
Collector's expenses	264 67
Printing	202 65
Postage and stationery	82 38
Collectors' supplies (bottles, tags, wire, etc.)	111 81
Telephone	81 00
Apparatus	48 22
	<hr/>
	\$6,399 74
Balance of appropriation turned over to Board of Health	6,600 26
	<hr/>
Total appropriation	\$13,000 00

Respectfully submitted,

CHARLES HARRINGTON,
Inspector.

THE LAWS OF MASSACHUSETTS

RELATING TO THE

SALE AND INSPECTION OF MILK.

[CHAPTER 57, PUBLIC STATUTES.]

SECTION 1. The mayor and aldermen of cities shall, and the selectmen of towns may, annually appoint one or more persons to be inspectors of milk for their respective places, who shall be sworn before entering upon the duties of their office. Each inspector shall publish a notice of his appointment for two weeks in a newspaper published in his city or town, or, if no newspaper is published therein, he shall post up such notice in two or more public places in such city or town.

SECT. 2. (*As amended by Section 1 of Chapter 318 of the Acts of 1886.*) Such inspectors shall keep an office, and shall record in books kept for the purpose the names and places of business of all persons engaged in the sale of milk within their city or town. Said inspectors may, with the approval of the mayor or the selectmen, employ suitable persons to act as collectors of samples, who shall be sworn before entering upon their duties. Said inspectors, or the collectors employed and qualified as aforesaid, may enter all places where milk is stored or kept for sale, and all carriages used for the conveyance of milk, and the said inspectors or the collectors may take samples for analysis from all such places or carriages, and at the same time a portion of each sample so taken shall, if the person taking the same be requested so to do, be sealed and delivered to the owner or person from whose possession the same is taken, and a receipt given therefor to the person taking the same. The inspectors shall cause the samples of milk so taken to be analyzed or otherwise satisfactorily tested; the result of such analysis or test they shall record and preserve as evidence. The inspectors shall receive such compensation as the mayor or aldermen or selectmen may determine.

SECT. 3. In all cities and in all towns in which there is an inspector of milk, every person who conveys milk, in carriages or otherwise, for the purpose of selling the same in such city or town, shall annually, on the first day of May, or within thirty days thereafter, be licensed by the inspector or inspectors of milk of such city or town to sell milk within the limits thereof, and shall pay to such inspector or inspectors fifty cents each to the use of the city or town. The inspector or inspectors shall pay over monthly to the treasurer of such city or town all sums collected by him or them. Licenses shall be issued only in the names of the owners of carriages or other vehicles, and shall, for the purposes of this chapter, be conclusive evidence of ownership. No license shall be sold, assigned, or transferred. Each license shall record the name, residence, place of business, number of carriages or other vehicles used, the name and residence of every driver or other person engaged in carrying or selling said milk, and the number of the license. Each licensee shall, before engaging in the sale of milk, cause his name, the number of his license, and his place of business to be legibly placed on

each outer side of all carriages or vehicles used by him in the conveyance and sale of milk, and he shall report to the inspector or inspectors any change of driver or other person employed by him which may occur during the time of his license. Whoever, without being first licensed under the provisions of this section, sells milk or exposes it for sale from carriages or other vehicles, or has it in his custody or possession with intent so to sell, and whoever violates any of the provisions of this section, shall, for a first offence, be punished by fine of not less than thirty nor more than one hundred dollars; for a second offence, by fine of not less than fifty nor more than three hundred dollars; and for a subsequent offence, by fine of fifty dollars and by imprisonment in the house of correction for not less than thirty nor more than sixty days.

SECT. 4. Every person, before selling milk or offering it for sale in a store, booth, stand, or market-place in a city, or in a town in which an inspector or inspectors of milk are appointed, shall register in the books of such inspector or inspectors, and shall pay to him or them fifty cents to the use of such city or town; and whoever neglects so to register shall be punished for each offence by fine not exceeding twenty dollars.

SECT. 5. (*As amended by Section 2 of Chapter 318 of the Acts of 1886.*) Whoever, by himself or by his servant or agent, or as the servant or agent of another person, sells, exchanges, or delivers, or has in his custody or possession with intent to sell or exchange, or exposes or offers for sale or exchange, adulterated milk, or milk to which water or any foreign substance has been added, or milk produced from cows fed on the refuse of distilleries, or from sick or diseased cows, or milk not of good standard quality, shall, for a first offence, be punished by fine of not less than fifty nor more than two hundred dollars; for a second offence, by fine of not less than one hundred nor more than three hundred dollars, or by imprisonment in the house of correction for not less than thirty nor more than sixty days; and for subsequent offence, by fine of fifty dollars and by imprisonment in the house of correction for not less than sixty nor more than ninety days.

SECT. 6. Whoever, by himself or by his servant or agent, or as the servant or agent of any other person, sells, exchanges, or delivers, or has in his custody or possession with intent to sell or exchange, or exposes or offers for sale as pure milk, any milk from which the cream or a part thereof has been removed, shall be punished by the penalties provided in the preceding section.

SECT. 7. (*As amended by Chapter 352, Acts of 1885.*) No dealer in milk, and no servant or agent of such a dealer, shall sell, exchange, or deliver, or have in his custody or possession with intent to sell, exchange, or deliver, milk from which the cream or any part thereof has been removed, unless in a conspicuous place above the centre upon the outside of every vessel, can, or package from or in which such milk is sold the words "**SKIMMED MILK**" are distinctly marked in uncondensed Gothic letters not less than one inch in length. Whoever violates the provisions of this section shall be punished by the penalties provided in section five.

SECT. 8. (*As amended by Chapter 310, Acts of 1884.*) Any inspector of milk, and any servant or agent of an inspector, who wilfully connives at or assists in a violation of the provisions of this chapter, and whoever hinders, obstructs, or in any way interferes with any inspector of milk, or any servant or agent of an inspector, in the performance of his duty, shall be punished by fine of not less than one hundred nor more than three hundred dollars, or by imprisonment for not less than thirty nor more than sixty days.

SECT. 9. (*As amended by Section 2 of Chapter 318 of the Acts of 1886.*) In all prosecutions under this chapter, if the milk is shown upon analysis to contain more than eighty-seven per cent. of watery fluid, or to contain less than thirteen per cent. of milk solids, or to con-

tain less than nine and three-tenths per cent of milk solids, exclusive of fat, it shall be deemed for the purpose of this act to be not of good standard quality, except during the months of May and June, when milk containing less than twelve per cent. of milk solids shall be deemed to be not of good standard quality.

SECT. 10. It shall be the duty of every inspector to institute a complaint for a violation of any of the provisions of this chapter, on the information of any person who lays before him satisfactory evidence by which to sustain such complaint.

SECT. 11. Each inspector shall cause the name and place of business of every person convicted of selling adulterated milk, or of having the same in his possession with intent to sell, to be published in two newspapers in the county in which the offence was committed.

SECT. 12. (*Section 8 of Chapter 352 of the Acts of 1885.*) No person shall sell, exchange, or deliver, or have in his custody or possession with intent to sell, exchange, or deliver, skimmed milk containing less than nine and three-tenths per cent. of milk solids, exclusive of fat. Whoever violates the provisions of this section shall be punished by the penalties provided in section five of chapter fifty-seven of the Public Statutes.

SECT. 13. (*Section 3 of Chapter 318 of the Acts of 1886.*) If the said inspector or collector, after being so requested, shall refuse or neglect to seal and deliver to the owner or person from whose possession the same is taken, as provided in section two, a portion of the sample taken as aforesaid, no evidence shall be received in any court of the results of the analysis or test of the same, which may have been recorded and preserved as aforesaid.

SECT. 14. (*Section 4 of Chapter 318 of the Acts of 1886.*) Whoever makes, uses, or has in his possession any imitation or counterfeit of any seal used by any milk inspector or his agents, and whoever changes, or in any manner tampers with, any sample taken or sealed as provided in section two, shall be punished by fine not exceeding fifty dollars, or by imprisonment in the house of correction not exceeding ninety days.

LAWS OF MASSACHUSETTS

RELATING TO THE

INSPECTION AND SALE OF OLEOMARGARINE.

[SECTIONS 17, 18, 19, 20, AND 21 OF CHAPTER 56 OF THE PUBLIC STATUTES, AS AMENDED BY CHAPTER 310 OF THE ACTS OF 1884, AND CHAPTER 352, ACTS OF 1885, AND CHAPTER 317 OF THE ACTS OF 1886.]

SECTION 17. (*As amended by Section 1 of Chapter 317 of the Acts of 1886.*) Whoever, by himself or his agents, sells, exposes for sale, or has in his possession with intent to sell, any article, substance, or compound made in imitation or semblance of butter or as a substitute for butter, and not made exclusively and wholly of milk or cream, or containing any fats, oils, or grease not produced from milk or cream,

shall have the words "**IMITATION BUTTER,**" or if such substitute is the compound known as "**OLEOMARCARINE,**" then the word "**OLEOMARCARINE,**" or, if it is known as "**BUTTERINE,**" then the word "**BUTTERINE,**" stamped, labelled, or marked, in a straight line, in printed letters of plain, uncondensed Gothic type, not less than one-half inch in length, so that said words cannot be easily defaced, upon the top, side, and bottom of every tub, firkin, box, or package containing any of the said article, substance, or compound. The said stamp, label, or mark shall contain no other words. And whoever, by himself, or his agents, exposes or offers for sale any of the said article, substance, or compound not in the original package shall attach to the said article, substance, or compound, in a conspicuous place, a label bearing the words "**IMITATION BUTTER,**" "**OLEOMARCARINE,**" or "**BUTTERINE,**" as the article may be, in printed letters of plain, uncondensed Gothic type, not less than one-half inch in length. And in cases of retail sales of any of said article, substance, or compound not in the original packages, the seller shall, by himself or his agents, attach to each package so sold, and shall deliver therewith to the purchaser, a label or wrapper bearing in a conspicuous place, upon the outside of the package, the words "**IMITATION BUTTER,**" "**OLEOMARCARINE,**" or "**BUTTERINE,**" and no other words, in printed letters, in a straight line of plain, uncondensed Gothic type, not less than one-half inch in length.

SECT. 18. Whosoever, by himself or his agent, sells, exposes for sale, or has in his possession with intent to sell, any article, substance, or compound made in imitation or semblance of cheese, as a substitute for cheese, and not made exclusively and wholly of milk or cream, or containing any fats, oils, or grease not produced from milk or cream, shall have the words "**IMITATION CHEESE,**" stamped, labelled, or marked, in printed letters of plain, uncondensed Gothic type, not less than one inch in length, so that the words cannot easily be defaced, upon the side of every cheese-cloth or band around the same, and upon the top and side of every tub, firkin, box, or package containing any of said article, substance, or compound. And in case of retail sales of any of said article, substance, or compound not in the original package, the seller shall, by himself or his agent, attach to each package so sold, and shall deliver therewith to the purchaser, a label or wrapper bearing in a conspicuous place upon the outside of the package the words "**IMITATION CHEESE,**" in printed letters of plain, uncondensed Gothic type, not less than one inch in length.

SECT. 19. (*As amended by Section 2 of Chapter 317 of the Acts of 1886.*) Whoever sells, exposes for sale, or has in his possession with intent to sell, any article, substance, or compound made in imitation or semblance of butter or cheese, or as a substitute for butter or cheese, except as provided in the two preceding sections, and whoever, with intent to deceive, defaces, erases, cancels, or removes any mark, stamp, brand, label, or wrapper provided for in such sections, or in any manner shall falsely label, stamp, or mark any box, tub, article, or package marked, stamped, or labelled as aforesaid, shall for every such offence forfeit to the city or town where the offence was committed one hundred dollars, and for a second and each subsequent offence two hundred dollars.

SECT. 20. Inspectors of milk shall institute complaints for violations of the provisions of the three preceding sections when they have reasonable cause to believe that such provisions have been violated, and on the information of any person who lays before them satisfactory evidence by which to sustain such complaint. Said inspectors may enter all places where butter or cheese is stored or kept for sale, and said

inspector shall also take specimens of suspected butter or cheese, and cause them to be analyzed or otherwise satisfactorily tested, the result of which analysis or test they shall record and preserve as evidence; and a certificate of such results, sworn to by the analyzer, shall be admitted in evidence in all prosecutions under this and three preceding sections. The expense of such analysis or test, not exceeding twenty dollars in any one case, may be included in the costs of such prosecutions. Whoever hinders, obstructs, or in any way interferes with any inspector, or any agent of an inspector, in the performance of his duty, shall be punished by a fine of fifty dollars for the first offence, and of one hundred dollars for each subsequent offence.

SECT. 21. For the purposes of the four preceding sections the terms "butter" and "cheese" shall mean the products which are usually known by these names, and are manufactured exclusively from milk or cream, with salt and rennet, and with or without coloring-matter.

[CHAPTER 317 OF THE ACTS OF 1886.]

SECTION 3. Whoever, by himself or his agents, sells, exposes for sale, or has in his possession with intent to sell, any article, substance, or compound made in imitation or semblance of butter, or as a substitute for butter, and not made exclusively and wholly of milk or cream, or containing any fats, oils, or grease not produced from milk or cream, contained in any box, tub, article, or package marked or labelled with the word "dairy" or the word "creamery," or the name of any breed of dairy cattle, shall for every such offence forfeit to the city or town where the offence was committed one hundred dollars, and for a second and each subsequent offence two hundred dollars.

SECT. 4. Every person who conveys any imitation butter, oleomargarine, or butterine in carriages or otherwise, for the purpose of selling the same in any city or town, shall, within thirty days of the passage of this act, and annually on the first day of May, or within thirty days thereafter, be licensed by the inspector or inspectors of milk of such city or town to sell the same within the limits thereof, and shall pay to such inspector or inspectors fifty cents to the use of the city or town. The inspector or inspectors shall pay over monthly to the treasurer of such city or town all sums collected by him or them. In towns in which there is no inspector of milk, licenses shall be issued by the town clerk. Licenses shall be issued only in the names of the owners of carriages or other vehicles, and shall, for the purposes of this chapter, be conclusive evidence of ownership. No license shall be sold, assigned, or transferred. Each license shall record the name, residence, place of business, number of carriages or other vehicles used, the name and residence of every driver or other person engaged in carrying or selling imitation butter, oleomargarine, or butterine, and the number of the license. Each licensee shall, before engaging in the sale of any of the articles as aforesaid, cause his name, the number of his license, his place of business, to be legibly placed on each outer side of all carriages or vehicles used by him in the conveyance and sale of the articles as aforesaid, in Gothic letters, not less than one inch in length, and he shall report to the inspector or inspectors any change of driver or other person employed by him which may occur during the term of his license. Whoever, without being first licensed under the provisions of this section, sells any of the articles as aforesaid, or exposes or offers them for sale from carriages or other vehicles, or has them in his custody or possession with intent so to sell, and whoever violates any of the provisions of this section, shall, for the first offence, be punished by a fine of not less than thirty nor more than one hundred dollars; for a second offence, by a fine of not less than fifty nor more than three hundred dollars.

SECT. 5. Every person, before selling or offering for sale any of the

articles as aforesaid in a store, booth, stand, or market-place, in a city or in a town in which an inspector or inspectors of milk are appointed, shall within thirty days of the passage of this act, and annually on the first day of May or within thirty days thereafter, register in the books of such inspector or inspectors, or if there be no inspector, then in the books of the town clerk, and shall pay to him or them fifty cents to the use of such city or town; and whoever neglects to so register shall be punished for each offence by a fine not exceeding twenty dollars.

[CHAPTER 58, LAWS OF 1891, AS AMENDED BY SECTION 6 OF CHAPTER 280 OF THE LAWS OF 1894.]

An Act to prevent deception in the manufacture and sale of imitation butter.

Be it enacted, etc., as follows:

SECTION 1. No person, by himself or his agents or servants, shall render or manufacture, sell, offer for sale, expose for sale, take orders for the future delivery of, or have in his possession with intent to sell, any article, product, or compound made wholly or partly out of any fat, oil, or oleaginous substance or compound thereof, not produced from unadulterated milk or cream from the same, which shall be in imitation of yellow butter produced from pure unadulterated milk or cream of the same: *provided*, that nothing in this act shall be construed to prohibit the manufacture or sale of oleomargarine in a separate and distinct form and in such manner as will advise the consumer of its real character, free from coloration or ingredient that causes it to look like butter.

SECT. 2. Whoever violates any of the provisions of section one of this act shall be punished by a fine of not less than one hundred dollars nor more than five hundred dollars, or by imprisonment in the house of correction for a term not exceeding one year.

SECT. 3. Inspectors of milk shall institute complaints for the violation of the provisions of this act when they have reasonable cause to believe that any of its provisions have been violated; and on the information of any person who lays before them satisfactory evidence by which to sustain such complaint, said inspectors may enter all places where butter or imitations thereof are stored or kept for sale, and shall also take specimens of suspected butter and imitations thereof and cause them to be analyzed or otherwise satisfactorily tested, the result of which analysis or test they shall record and preserve as evidence; and a certificate of such result sworn to by the analyzer shall be admitted in evidence in all prosecutions under this act. The expense of such analysis or test, not exceeding twenty dollars in any one case, may be included in the costs of such prosecutions. Whoever hinders, obstructs, or in any way interferes with any inspector in the performance of his duty shall be punished by a fine of fifty dollars for the first offence and of one hundred dollars for each subsequent offence.

SECT. 4. This act shall not be construed to impair or prevent the prosecution and punishment of any violation of laws existing at the time of its passage and committed prior to its taking effect.

[CHAPTER 412, LAWS OF 1891, AS AMENDED BY CHAPTER 280 OF THE LAWS OF 1894.]

An Act to provide for the protection of dairy products and to establish a State dairy bureau.

Be it enacted, etc., as follows:

SECTION 1. Whoever, by himself or agents, sells or offers for sale, to any person who asks, sends, or inquires for butter, any oleomargarine,

butterine, or any substance made in imitation of or semblance of pure butter, not made entirely from the milk of cows, with or without coloring matter, shall be declared guilty of fraud and punished by a fine of not less than one hundred dollars for each offence.

SECT. 2. Whoever exposes for sale oleomargarine, butterine, or any substance made in imitation or semblance of pure butter, not marked or distinguished by all the marks, words, and stamps required by existing laws, and not having in addition thereto upon the exposed contents of every opened tub, package, or parcel thereof, a conspicuous placard with the word "oleomargarine" printed thereon in plain, uncondensed Gothic letters, not less than one inch long, shall be fined not less than one hundred dollars for each offence.

SECT. 3. Whoever sells oleomargarine, butterine, or any other substance made in imitation or semblance of pure butter, from any dwelling, store, office, or public mart, shall have conspicuously posted thereon the placard or sign, in letters not less than four inches in length, "Oleomargarine sold here," or "Butterine sold here." Said placard to be approved by the bureau hereinafter provided for by this act. Any person neglecting or failing to post the placard herein provided for shall be punished by a fine of not less than one hundred dollars for the first offence and one hundred dollars for each day's neglect thereafter.

SECT. 4. Whoever by himself or agents peddles, sells, solicits orders for the future delivery of, or delivers from any cart, wagon, or other vehicle, oleomargarine, butterine, or any substance made in imitation or semblance of pure butter, not having on both sides of said cart, wagon, or other vehicle the placard, in uncondensed Gothic letters, not less than three inches in length, "Licensed to sell oleomargarine," shall be punished by a fine of not less than one hundred dollars or imprisonment for not less than thirty days for each offence.

SECT. 5. Whoever furnishes, or causes to be furnished, in any hotel, restaurant, or at any lunch counter, oleomargarine or butterine to any guest or patron of such hotel, restaurant, or lunch counter, in the place or stead of butter, shall notify said guest or patron that the substance so furnished is not butter, and any party so furnishing without such notice shall be punished by a fine of not less than ten nor more than fifty dollars for each offence.

SECT. 6. The governor, by and with the consent of the council, shall appoint an assistant to the secretary of the board of agriculture, at an annual salary of twelve hundred dollars, and expenses necessarily incurred in the discharge of his duties, to assist in the work prescribed in the eleventh section of this act. Said appointee shall hold office for two years, or till his successor is appointed, unless sooner removed from office by the governor, and his successor shall be appointed as above provided for.

SECT. 7. In order to secure the better enforcement of the provisions of this act and to promote the improvement of the products of the dairy, the governor, by and with the advice and consent of the council, shall appoint three members of the board of agriculture, to constitute a dairy bureau of said board, one to serve for three years, one for two years, and one for one year, from the first day of July in the year eighteen hundred and ninety-one, or for such shorter terms respectively as they may continue to be members of said board of agriculture; and, prior to the first day of July in each succeeding year, the governor shall appoint from said board one member of said bureau to serve for three years or for such shorter term, as aforesaid. No person shall continue to be a member of said bureau after he has ceased to be a member of said board, but on his ceasing to be a member of said board, his place on said bureau shall be filled by the appointment of another member of said board, as aforesaid. The secretary of said board shall be the executive officer of said bureau, subject to its control and direction, and said

secretary shall, upon assuming said duties, receive in addition to his present salary five hundred dollars per annum. The governor may at any time terminate the service of any member of said board as a member of said bureau, and may appoint any other member of said board in his place as above provided. Members of said bureau shall serve without pay, and shall have power to enforce all laws relating to dairy products and imitations thereof, and to employ such agents, assistants, experts, chemists, or counsel as may be necessary therefor. Said bureau, in the discharge of its duties, shall be subject to the general direction and control of the board of agriculture.

SECT. 8. The bureau may expend a sum not exceeding four thousand dollars in carrying forward the work of the bureau, and shall make annual reports in detail to the legislature, not later than the fifteenth day of January in each year, of the number of assistants, experts, chemists, agents, and counsel employed, and their expenses and disbursements, with such other information as shall be for the advantage of the dairy interest in the State, and they shall make full reports of all investigations made by them with all cases prosecuted, and the results of such prosecution. They shall make detailed statements of the said expenses to the auditor of the Commonwealth, on which payment shall be made to the extent of the appropriation.

SECT. 9. Said bureau, and such agents and counsel as they shall duly authorize for that purpose, shall have access, ingress, and egress to and from all places of business, factories, buildings, carriages, and cars used in the manufacture and sale of any dairy products, or imitation dairy products, and shall have access to all vessels and cans used in such manufacture and sale, and shall have all the authority given by law to the state board of health and any officer thereof, and to the milk inspectors, in the enforcement of all laws relating to dairy products or imitations thereof, and in the prosecutions of violations of said laws. Whoever hinders, obstructs, or in any way interferes with an officer or duly authorized agent of the dairy bureau in the performance of his duty shall be punished by a fine of one hundred dollars for the first offence, and of two hundred dollars for each subsequent offence.

SECT. 10. The said bureau may work in unison with the state board of health, and with inspectors of milk, but they shall not restrict, limit, or interfere with the duties of said officers. Nothing herein contained shall be held to circumscribe the rights of said bureau in the prosecution of offenders of the so-called dairy laws, or all laws relating to milk, butter, cheese, or any adulterations or imitations thereof, wherever found within the Commonwealth.

SECT. 11. It shall be the duty of the said bureau to investigate all dairy products and imitation dairy products bought or sold within the Commonwealth; to enforce all laws for the manufacture, transfer, and sale of all dairy products and all imitation dairy products within the Commonwealth, with all the powers needed for the same; to investigate all methods of butter and cheese making in cheese factories or creameries, and to disseminate such information as shall be of service in producing a more uniform dairy product of higher grade and better quality.

SECT. 12. All fines recovered under this act shall be payable to the treasury of the Commonwealth.

LAWS OF MASSACHUSETTS
RELATIVE TO THE
INSPECTION AND SALE OF VINEGAR.

PUBLIC STATUTES. [CHAPTER 60, SECTION 69, AS AMENDED BY
CHAPTER 257, ACTS OF 1883.]

SECTION 69. Every person who manufactures for sale, or offers or exposes for sale as cider-vinegar, any vinegar not the legitimate product of pure apple juice, known as apple cider, or vinegar not made exclusively of said apple cider, or vinegar into which foreign substances, drugs, or acids have been introduced, as may appear by proper tests, shall for each offence be punishable by fine of not less than fifty nor more than one hundred dollars.

SECT. 70. Every person who manufactures for sale, or offers for sale, any vinegar found upon proper tests to contain any preparation of lead, copper, sulphuric acid, or other ingredient injurious to health, shall for each such offence be punished by fine of not less than one hundred dollars.

SECT. 71. The mayor and aldermen of cities shall, and the selectmen of towns may, annually appoint one or more persons to be inspectors of vinegar, who shall be sworn before entering upon their duties.

[CHAPTER 307, ACTS OF 1884, AS AMENDED BY CHAPTER 150, ACTS
OF 1885.]

SECTION 1. No person shall by himself, his servant or agent, or as the servant or agent of any other person, sell, exchange, deliver, or have in his custody or possession with intent to sell or exchange, or expose or offer for sale or exchange any adulterated vinegar, or label, brand, or sell as cider-vinegar, or as apple-vinegar, any vinegar not the legitimate product of pure apple juice, or not made exclusively from apple cider.

SECT. 2. All vinegars shall be without artificial coloring-matter, and shall have an acidity equivalent to the presence of not less than four and one-half per cent. by weight of absolute acetic acid, and in the case of cider-vinegar shall contain in addition not less than two per cent. by weight of cider-vinegar solids upon full evaporation over boiling water; and if any vinegar contains any artificial coloring-matter or less than the above amount of acidity, or, in the case of cider-vinegar, if it contains less than the above amount of acidity or of cider-vinegar solids, it shall be deemed to be adulterated within the meaning of this act.

SECT. 4. Whoever violates any of the provisions of this act shall be punished by fine not exceeding one hundred dollars.

DECISIONS OF THE SUPREME COURT OF THE
UNITED STATES, AND OF THE SUPREME JUDICIAL
COURT OF MASSACHUSETTS, RELATIVE TO THE
LAWS OF MASSACHUSETTS GOVERNING THE
INSPECTION AND SALE OF MILK AND OF OLEO-
MARGARINE.

SUPREME COURT OF THE UNITED STATES.

No. 406. — OCTOBER TERM, 1894.

BENJAMIN A. PLUMLEY, Plaintiff in Error, *vs.* THE COMMONWEALTH
OF MASSACHUSETTS.

In error to the Supreme Judicial Court of the Commonwealth of
Massachusetts.

The act of August 2, 1886, Chap. 840, 24 Stat. 209, does not give authority to those who pay the taxes prescribed by it to engage in the manufacture or sale of oleomargarine in any State which lawfully forbids such manufacture or sale, or to disregard any regulations which a State may lawfully prescribe in reference to that article; and that act was not intended to be, and is not, a regulation of commerce among the States.

The Statute of Massachusetts of March 10, 1891, Chap. 58, "to prevent deception in the manufacture and sale of imitation butter," in its application to the sales of oleomargarine artificially colored so as to cause it to look like yellow butter and brought into Massachusetts, is not in conflict with the clause of the Constitution of the United States investing Congress with power to regulate commerce among the several States.

Leisy v. Hardin, 135 U.S. 100, 124, is restrained in its application, the case there actually presented for determination and held not to justify the broad contention that a State is powerless to prevent the sale of articles of food manufactured in or brought from another State, and subjects of traffic or commerce, if their sale may cheat the people into purchasing something they do not intend to buy, and which is wholly different from what its condition and appearance import.

The judiciary of the United States should not strike down a legislative enactment of a State, especially if it has direct connection with the social order, the health and the morals of its people, unless such legislation plainly and palpably violates some right granted or secured by the National Constitution, or encroaches upon the authority delegated to the United States for the attainment of objects of national concern.

United States Reports, 155, p. 461.

DECISIONS OF THE SUPREME JUDICIAL COURT OF MASSACHUSETTS.

Pub. Stats., Chap. 57, Sect. 2, so far as it authorizes inspectors of milk to enter all carriages used in the conveyance of milk, and, whenever they have reason to believe any milk found therein is adulterated, to take specimens thereof for the purpose of analyzing or otherwise satisfactorily testing the same, is constitutional.

Commonwealth v. Carter, 132 Mass. 12.

1. A person may be convicted of selling adulterated milk, under Pub. Stats., Chap. 57, Sect. 5 (Gen. Stats., Chap. 49, Sect. 151), although he did not know it to be adulterated; and an averment in the indictment that he has such knowledge may be rejected as surplusage.

2. It is not necessary in such indictment to aver that the milk was cow's milk.

3. An indictment alleging a sale of adulterated milk to a woman is not defeated by proof that she was married and was acting as agent for her husband, if the seller had no notice, express or implied, of these facts.

4. An indictment under Pub. Stats., Chap. 57, Sect. 5 (Gen. Stats., Chap. 49, Sect. 151), which charges that the defendant sold a certain quantity of "adulterated milk, to which a large quantity—that is to say, four quarts—of water had been added," is not bad for duplicity.

Commonwealth v. Farren, 9 Allen, 489.

1. An indictment which alleges that the defendant "did unlawfully keep, offer for sale, and sell" adulterated milk charges but one offence.

2. In support of such indictment, one who in a great many instances has used a lactometer for the purpose of testing the quality and the purity of milk may testify to the result of an experiment made by him with the same lactometer upon the milk in question, although no evidence is offered as to the character of the instrument.

Commonwealth v. Nichols, 10 Allen, 199.

At the trial of an indictment on Pub. Stats., Chap. 57, Sect. 5 (Statute of 1868, Chap. 263), for selling "adulterated milk, there was evidence that the defendant [who was a son of the owner of a milk route], with a companion who was in the same employment with himself, knowingly adulterated milk on its way for distribution to his father's customers, and then having charge, with his companion, of its distribution from the wagon on which it was conveyed upon the route, caused a can of it to be delivered to one of the customers by the hand of his companion. *Held*, that he had no ground of exception to instructions to the jury; that in the absence of proof of any previous contract to supply milk to the customer, the delivery might be deemed an act of sale; nor to an instruction framed on a supposition that the jury might find that he was in the employment of his father, although there was no averment in the indictment to that effect."

Commonwealth v. Haynes, 107 Mass. 194.

A person may be convicted of selling adulterated milk, upon a complaint under Pub. Stats., Chap. 57, Sect. 5 (Statute of 1880, Chap. 209, Sect. 3), without allegation or proof that he knew it to be adulterated.

Commonwealth v. Evans, 133 Mass. 11.

A complaint, under Pub. Stats., Chap. 57, Sect. 5, alleging that the defendant, at a time and place named, had in his possession a certain quantity, to wit, one pint, of adulterated milk, containing less than thirteen per cent. of milk solids, with intent then and there unlawfully to sell the same, is sufficient, without further alleging that the milk was analyzed and found on analysis to contain less than thirteen per cent. of milk solids. At the trial of a complaint, under Pub. Stats., Chap. 57, Sect. 5, alleging that the defendant had in his possession adulterated milk, to wit, milk containing less than thirteen per cent. of milk solids, with intent to sell the same, it is immaterial in what manner the quantity of milk solids has been reduced below thirteen per cent. if the intent is to sell the milk as pure milk, and not as skimmed milk.

Commonwealth v. Bowers, 140 Mass. 483.

Pub. Stats., Chap. 57, Sect. 9 (Statute of 1880, Chap. 209, Sect. 8), providing that "in all prosecutions under this act," for selling adulterated milk, "if the milk shall be shown upon analysis to contain more than eighty-seven per centum of watery fluid, or to contain less than thirteen per centum of milk solids, it shall be deemed for the purpose of this act to be adulterated," is constitutional.

Commonwealth v. Evans, 132 Mass. 11.

A complaint, under the Pub. Stat., Chap. 57, Sects. 5, 9, alleging that the defendant, at a time and place named, had in his custody and possession a certain quantity, to wit, one pint, of adulterated milk, to wit, milk then and there containing less than thirteen per cent. of milk solids, with intent then and there unlawfully to sell the same, is sufficient.

Commonwealth v. Keenan, 139 Mass. 193.

A complaint, under the Pub. Stat., Chap. 57, Sect. 5, alleging in one count that the defendant, at a time and place named, sold a certain quantity, to wit, one pint, of adulterated milk, to wit, milk containing less than thirteen per cent. of milk solids, and in another count alleging that the defendant, at the same time and place, had in his possession a certain quantity, to wit, one pint, of adulterated milk, to wit, milk containing less than thirteen per cent. of milk solids, with intent then and there unlawfully to sell the same, is sufficient, without further alleging that the milk was analyzed and found on analysis to contain less than thirteen per cent. of milk solids.

The Pub. Stats., Chap. 57, Sect. 10, do not prohibit any person not an inspector of milk from making a complaint for a violation of the provisions of the chapter.

A complaint, under the Pub. Stats., Chap. 57, Sect. 5, alleging that the defendant sold one pint of adulterated milk, to wit, milk containing less than thirteen per cent. of milk solids, is not supported by proof that he sold the milk as skimmed milk out of a tank marked as required by Sect. 7, although the milk was watered.

A complaint, under Pub. Stat., Chap. 57, Sect. 5, alleging a sale of adulterated milk, to wit, milk containing less than thirteen per cent. of milk solids, is supported by proof of a sale of milk which, by the re-

removal of a part of the cream, has been reduced in solids below thirteen per cent., unless the milk was sold as skimmed milk, and out of a vessel, can, or package marked as required by Sect. 7; and it is not necessary that a complaint charging such an offence should be drawn under Sect. 6.

Commonwealth v. Tobias, 141 Mass. 129.

At the trial of an indictment on Pub. Stat., Chap. 57, Sect. 5, charging the defendant with having adulterated milk in his possession, with intent unlawfully to sell the same, an analyst in the employ of the inspector of milk may testify to the result of his analysis of the milk taken from the defendant from memory, using a memorandum made by him at the time of analysis to refresh his memory, without further proof that the requirements of the Pub. Stats., Chap. 57, Sect. 2, as amended by the Statute of 1884, Chap. 310, Sect. 3, have been complied with.

Commonwealth v. Spear, 143 Mass. 172.

At a trial of an indictment on the Pub. Stats., Sect. 5, charging the defendant with having adulterated milk in his possession, with intent to unlawfully sell the same, an analyst in the employ of the inspector of milk, who analyzed the milk taken from the defendant, testified that he reserved a portion of the milk so taken, by putting it into a bottle, which he corked and sealed. A chemist, to whom the analyst delivered the portion of milk so reserved, testified, for the defendant, that the bottle was not sealed. The defendant asked the judge to rule that, if the bottle was corked only, it was not a compliance with the requirement of the Statute of 1884, Chap. 310, Sect. 4, as to the sealing of such reserved portion. The judge declined so to rule, and instructed the jury that they might consider the evidence as bearing upon the credibility of the government witness.

Held, that the defendant had no ground of exception.

If, at the trial of an indictment on the Pub. Stats., Chap. 57, Sect. 5, charging the defendant with having adulterated milk in his possession, with intent to unlawfully sell the same, an analyst in the employ of the inspector of milk of a city testifies that he added, for the purpose of preserving it, a few drops of carbolic acid to the sample reserved from milk delivered to him for analysis, it is a question of fact for the jury whether the reservation of the sample was in accordance with the requirement of the Stat. of 1884, Chap. 310, Sect. 4.

Commonwealth v. Spear, 143 Mass. 172.

At the trial of a complaint, under Pub. Stats., Chap. 57, Sect. 5, alleging that the defendant had in his possession adulterated milk, with intent unlawfully to sell the same, the evidence showed that a wagon with the defendant's name and number on it was standing upon a public street in a city at an early hour in the morning; that the defendant's servant was on the wagon, and there were several eight-quart cans in the wagon; that a collector of samples in the employ of the inspector of milk for the city took a sample of milk from one of the cans, which was not marked "skimmed milk," and that an analysis of the milk taken showed that it was below the legal standard.

Held, that there was evidence of an intent on the part of the defendant to sell the milk, which was properly submitted to the jury.

Commonwealth v. Smith, 143 Mass. 169.

A complaint on the Stat. of 1886, Chap. 318, Sect. 2, alleging that on the first day of July, 1886, the defendant had in his possession "one pint of milk not of good standard quality, that is to say, milk containing

less than thirteen per cent. of milk solids, with intent then and there unlawfully to sell the same within this Commonwealth," is sufficient, without negating the exception of the months of May and June.

The Stat. of 1885, Chap. 352, Sect. 6, provides that Sect. 9 of the Pub. Stats., Chap. 57 (which relates to the sale of adulterated milk), "is hereby amended so as to read as follows." The Stat. of 1886, Chap. 318, Sect. 2, provides that Sect. 9 of the Pub. Stats., Chap. 57, "Is hereby amended so as to read as follows." In each section after the words quoted, there follows a sentence which covers the whole subject of the original section.

Held, that the Stat. of 1886, Chap. 318, Sect. 2, was a valid enactment.

The Stat. of 1884, Chap. 310, Sect. 4, providing for the reservation and sealing, before commencing the analysis, of a portion of the sample of milk taken for analysis, is impliedly repealed by the Stat. of 1886, Chap. 318, Sects. 1 and 3.

Commonwealth v. Kenneson, 143 Mass. 418.

The Stat. of 1885, Chap. 352, Sect. 8, provides that no person shall sell, or have in his possession with intent to sell, skimmed milk below a certain standard, and enacts that whoever violates the provisions of this section shall be punished by the penalties provided in the Pub. Stats., Chap. 57, Sect. 5.

Held, on a complaint made under the Stat. of 1885, Chap. 352, Sect. 8, for an offence committed after the Stat. of 1886, Chap. 318, Sect. 2, took effect, that, even if the last-named statute repealed by implication the Pub. Stats., Chap. 57, Sect. 5, the complaint could be maintained.

Commonwealth v. Kendall, 144 Mass. 357.

Placing wax upon the top of the cork in a bottle containing a portion reserved from a sample of milk taken for analysis, and not extending the wax over the mouth of the bottle and thus rendering the bottle airtight, is not a sufficient compliance with the requirement of the Stat. of 1884, Chap. 310, Sect. 4, that such reserved portion shall be "sealed."

Commonwealth v. Lockhardt, 144 Mass. 132.

An indictment on the Stat. of 1886, Chap. 318, Sect. 2, alleging that the defendant had in his "possession milk to which a certain foreign substance had been added, to wit, annatto coloring-matter," with intent unlawfully to sell the same, is sufficient without naming the quantity.

Evidence offered at the trial of such an indictment as to two samples of milk taken from the defendant's possession at substantially the same time is competent, and the government cannot be required at the same time of the offer, if ever, to elect which sample it will rely on.

The addition of the annatto coloring-matter, whether injurious to health or not, is punishable under the statute.

Evidence that the "milk was of low grade" is competent, although it may tend to prove another offence.

Commonwealth v. Schaffner, 146 Mass. 512.

An averment in a complaint under the milk acts, that the defendants were "partners," is mere surplusage, and need not be proved.

On such a complaint, evidence that the defendant was on a wagon with a license number on it and containing milk cans, from one of which was taken adulterated milk, is competent on the issue that he was in possession of the milk to sell it.

Commonwealth v. Rowell, 146 Mass. 128.

On a complaint for the sale of milk not of good standard quality, evidence that the milk was delivered under a special contract is immaterial.

If a buyer of milk takes a portion to a milk inspector, the latter may testify on the trial of such a complaint as to the results of his analysis.

Commonwealth v. Holt, 146 Mass. 38.

Oleomargarine was exposed for sale in the original package; namely, a tub, the top of the cover of which had been duly marked, as well as the side and bottom, but from which the cover had been removed, disclosing the superficial surface of the oleomargarine without any mark.

Held, that the terms of the Stat. of 1886, Chap. 317, Sect. 1, had been complied with.

Commonwealth v. Bean, 148 Mass. 172.

At the trial of a complaint, on the Stat. of 1886, Chap. 318, Sect. 2, for selling milk not of the standard quality, there being evidence that the milk was skimmed milk, and sold from a measure duly marked, the jury were instructed that the defendant would be liable unless he sold the milk not as pure milk, but as skimmed milk, and further, that he would be liable unless the buyer had notice or knowledge that the milk was skimmed milk.

Held, that the instruction was erroneous.

Commonwealth v. Smith, 149 Mass. 9.

A complaint on the Stats. of 1886, Chap. 317, Sect. 1, charging the defendant with selling imitation butter at retail without a descriptive wrapper, need not allege that the sale was actually made by the defendant's agent.

At the trial of such a complaint there was evidence that the sale was made by the defendant's agent, acting within the scope of his employment, and that he was supplied with wrappers properly marked for covering the article sold; and the presiding judge refused to instruct the jury, as requested by the defendant, that if the agent's failure to use the wrappers was the result of inadvertence on his part, and not intentional, the jury would not be justified in convicting the defendant.

Held, that the defendant had no ground of exception.

Commonwealth v. Gray, 150 Mass. 327.

Under the Pub. Stats., Chap. 57, Sect. 5, as amended by the Stats. of 1886, Chap. 318, Sect. 2, relating to the adulteration of "milk," it is equally an offence to have in one's possession skimmed milk containing a foreign substance with intent unlawfully to sell the same.

Commonwealth v. Wetherbee, 155 Mass.

The provisions of Sect. 2, Chap. 318, Stat. of 1886, apply to the keeper of a hotel who supplies milk to his guests to be drunk by them on the premises.

A principal is responsible under the statute for a sale made by his servant, although he was not present and did not consent to or know of the particular sale, the servant not acting in violation of orders.

Commonwealth v. Vieth, 155 Mass.

Upon a writ of habeas corpus, the court will not ordinarily consider questions arising in a criminal case which might be brought up by a bill of exceptions; but under special circumstances such questions were en-

tertaind, the court saying that, with reference to the mode of procedure, the case was not to be deemed a precedent for future cases.

The Stat. of 1891, Chap. 58, which makes a distinction between oleomargarine which is an imitation of yellow butter and that which is not, and which statute is directed only towards oleomargarine of the former class, is not repealed by the Stat. of 1891, Chap. 412, Sect. 1, which is directed to the distinct fraud of selling or offering to persons calling for butter something besides butter.

The fact that two statutes, similar in their nature and purpose, were both passed at the same session of the Legislature, and took effect on the same day, is strong evidence that they were intended to stand together.

The enactment of a statute which forbids the manufacture and sale of oleomargarine which is made in imitation of yellow butter, though such oleomargarine has been imported from another State, is a valid exercise of the police power which remains in the several States, and it is not in violation of the constitutional provision giving to Congress the power to regulate commerce among the several States. Knowlton and Lathrop, J.J., dissenting.

Commonwealth v. Huntley.

Commonwealth v. Plumley, 156 Mass. 236.

On a complaint under the Stat. of 1886, Chap. 317, Sect. 1, charging the defendant with having in his possession, with intent to sell, oleomargarine in a tub not marked as required by that section, the exceptions recited that the tub "was not, on the date of the offence alleged in the complaint, exposed for sale, nor was it so situated that it could be seen by customers of the defendant," and that it also appeared "that the defendant had bought said package for the purpose and with the intention of selling the said oleomargarine contained therein at retail in said store, but that he did not intend to sell the oleomargarine contained in this tub, or expose the same for sale, until the marks had been examined, and if not marked in accordance with law, to mark the tub before opening the same."

Held, that these facts showed that the defendant had no intention of selling the oleomargarine in the form in which it was, but was storing it with the intention of properly marking the package, if it was not already properly marked, before he offered the oleomargarine for sale or intended to sell it, and that the jury were not warranted in finding the defendant guilty.

Because of the absolute prohibition against selling intoxicating liquor without a license, the intent to sell may be often inferred from facts which would not warrant the inference of an intent to sell other merchandise in the form in which it was found, when the person having it in his possession had a right to sell it, if it was properly marked, and had the right to so mark it after receiving it, and before he exposed it for sale or intended to sell it.

Commonwealth v. Mills, 157 Mass. 405.

If a complaint charges a person with having in his possession, with intent to sell, oleomargarine in a tub not marked as required by law, he cannot be convicted, if the exceptions show that he had no intent to sell it without having it so marked.

It is not to be inferred that the Legislature, merely by making it the duty of certain officers to enforce penal laws of general application, intended that the enforcement should be dependent upon these officers, and a complaint charging a person with having in his possession, with intent to sell, oleomargarine contrary to the requirements of the Stat. of

1886, Chap. 317, Sect. 1, is not defective because made by an inspector of the State board of health, instead of by an inspector of milk, or by the treasurer of the town in which the offence was committed.

Commonwealth v. McDonnell, 157 Mass. 407.

The fact that a collector of samples of milk, who was not acting under the authority of the Stat. of 1886, Chap. 318, made a purchase of milk in a restaurant and retained a portion thereof for analysis without disclosing that he was such a collector, and without giving to the person from whom it was purchased an opportunity to ask for a sealed sample, will not render evidence incompetent to show that the milk so purchased was below the legal standard.

Commonwealth v. Coleman, 157 Mass. 460.

If a person has for sale in his shop oleomargarine colored in imitation of yellow butter which is kept in a closed and covered refrigerator and cannot be seen by customers, although he has a sign in his shop to the effect that oleomargarine is sold there, he does not "expose for sale" such oleomargarine within the meaning of the Stat. of 1891, Chap. 58, Sect. 1.

Commonwealth v. Byrnes, 158 Mass. 172.

A complaint under the Stat. of 1891, Chap. 412, Sect. 4, for selling oleomargarine from a wagon, at a time and place named, the defendant "not having then and there on both sides of said vehicle the placard, in uncondensed Gothic letters not less than three inches in length, 'Licensed to sell oleomargarine,'" is supported by proof that the defendant's wagon was a covered one with the front and rear ends open; that on the inside of the cover on each side was a placard, in form and size such as the statute requires; that these placards could be seen from the front and rear of the wagon, but could not be seen from the sides thereof, and that there were no placards on the outer sides of the wagon.

At the trial of a complaint under the Stat. of 1891, Chap. 412, Sect. 4, for selling oleomargarine from a wagon at a time and place named, the defendant "not having then and there on both sides of said vehicle the placard, in uncondensed Gothic letters not less than three inches in length, 'Licensed to sell oleomargarine,'" the defendant has no ground of exception to the refusal of the judge to rule that this section of the statute "is in conflict with the act of Congress of August 2, 1886, and the rules and regulations of the commissioner of internal revenue thereunder, and is therefore unconstitutional and void."

Commonwealth v. Crane, 158 Mass. 218.

A complaint under Pub. Stats., Chap. 57, Sect. 5, charging the defendant with having in his possession, with intent to sell, milk to which a foreign substance had been added, is sustained by proof of possession, with that intent, of cream to which boracic acid had been added.

A complaint under Pub. Stats., Chap. 57, Sect. 5, charging the defendant with having in his possession, with intent to sell, milk to which a foreign substance had been added, was heard on an "agreed statement of facts," which was not a case stated in writing and filed, but an admission of facts from which the jury were at liberty to draw inferences.

Held, that the jury might infer the offence charged from a sale by the defendant from his restaurant.

Commonwealth v. Gordon, 159 Mass. 8.

The proprietor of a restaurant furnished oleomargarine to a guest in the place of butter. There were signs in conspicuous places in the restaurant bearing the words "Butterine Only Used Here," and on the tables were bills of fare on which were printed the words "Only Fine Butterine Used Here." The guest saw neither of the signs and did not examine the bill of fare; and no oral notice was given to him that the substance furnished to him was not butter. *Held*, that the proprietor of the restaurant could be convicted of an offence under the Stat. of 1891, Chap. 412, Sect. 5.

Commonwealth v. Stewart, 159 Mass. 113.

A person may be convicted of violating Stat. 1886, Chap. 318, Sect. 2, whose servant, in the course of his employment, makes an inadvertent sale of milk "not of good standard quality." If milk is ordered by and delivered to a customer in a hotel as a part of his breakfast, for which he pays a round sum, it is a sale of the milk which, if the milk is "not of good standard quality," will support a complaint on Stat. 1886, Chap. 318, Sect. 2.

Commonwealth v. Warren, 160 Mass. 533.

The Stat. of 1891, Chap. 58, Sect. 1, entitled "An Act to prevent deception in the manufacture and sale of imitation butter," forbids the exposing for sale of oleomargarine colored to look like butter, and it is immaterial whether the particular purchaser was advised of its real character or not.

Commonwealth v. Russell, 162 Mass. 520.

The Stat. 1891, Chap. 412, Sect. 4, was not intended to draw fine distinctions between different kinds of oleomargarine, all of which would resemble butter; but it requires that every one who delivers oleomargarine, of whatever sort, from a vehicle upon the public streets, shall carry along with him upon his vehicle a public notice that he is licensed to sell oleomargarine.

Commonwealth v. Crane, 162 Mass. 506.

Oleomargarine artificially colored by annatto so as to cause it to look like yellow butter produced from pure unadulterated milk, or cream from the same, is within the prohibition of Stat. of 1891, Chap. 58, Sect. 1, which statute has not been repealed, and is constitutional and valid as applied to oleomargarine so colored.

Commonwealth v. Kelly, 163 Mass. 169.

REPORT OF THE INSPECTOR OF PROVISIONS.

To the Board of Health:

GENTLEMEN: I have the honor to submit the following report for the year ending December 31, 1895:

Total number of packages seized and condemned, 3,726

MEATS.

Veal, immature	.	.	.	.	.	1,743 lbs.
Veal, tainted	.	.	.	.	.	5,837 "
Lamb, "	.	.	.	.	.	1,121 "
Bear	.	.	.	.	.	300 "
Pork	.	.	.	.	.	700 "
Sausage	.	.	.	.	.	100 "
Calves' heads	.	.	.	.	.	8
Rabbits	.	.	.	.	.	250
Livers	.	.	.	.	.	84
Poultry	.	.	.	.	.	4,389 lbs.

FISH.

Herring	.	.	.	.	.	3,850 lbs.
Smelts	.	.	.	.	.	280 "
Mackerel	.	.	.	.	.	140 "
Codfish	.	.	.	.	.	47 bbls.
Lobsters	.	.	.	.	.	2 "
Clams	.	.	.	.	.	1 "
Oysters	.	.	.	.	.	3 "
Oysters	.	.	.	.	.	306 gals.

FRUITS AND VEGETABLES.

Apples	.	.	.	.	.	18 bbls.
Beans	.	.	.	.	.	400 baskets.
Blackberries	.	.	.	.	.	320 qts.
Cabbages	.	.	.	.	.	63 bbls.
Cantaloupes	.	.	.	.	.	188 "
Cocoanuts	.	.	.	.	.	5 "

Cucumbers	.	.	.	.	.	.	40 crates.
Corn, green	.	.	.	.	.	.	41 "
Egg-plant	.	.	.	.	.	.	29 bbls.
Oranges	.	.	.	.	.	.	26 boxes.
Peaches	.	.	.	.	.	.	74 baskets.
Pears	.	.	.	.	.	.	40 bbls.
Peas	.	.	.	.	.	.	1 crate.
Plums	.	.	.	.	.	.	23 baskets.
Potatoes	.	.	.	.	.	.	315 bushels.
Radishes	.	.	.	.	.	.	5 bbls.
Rhubarb	.	.	.	.	.	.	1 box.
Squash	.	.	.	.	.	.	35 crates.
Strawberries	.	.	.	.	.	.	1,472 qts.
Tomatoes	.	.	.	.	.	.	75 crates.
Turnips	.	.	.	.	.	.	4 bbls.
Watermelons	.	.	.	.	.	.	15,317

GROCERIES.

Asparagus	.	.	.	.	.	.	24 cans.
Boiled dinner	.	.	.	.	.	.	80 "
Catsup	.	.	.	.	.	.	180 bottles.
Cocoa shells	.	.	.	.	.	.	18 pkges.
Evaporated apples	.	.	.	.	.	.	25 "
Ginger-snaps	.	.	.	.	.	.	1½ bbls.
Herring	.	.	.	.	.	.	142 cans.
Jam	.	.	.	.	.	.	8 jars.
Lobster	.	.	.	.	.	.	288 cans.
Lobster paste	.	.	.	.	.	.	282 "
Maple sugar	.	.	.	.	.	.	3 boxes.
Pie meat	.	.	.	.	.	.	24 pkges.
Raisins	.	.	.	.	.	.	350 lbs.
Radish	.	.	.	.	.	.	23 bottles.
Sardines	.	.	.	.	.	.	110 cans.
Tapioca	.	.	.	.	.	.	15 pkges.
Tobacco	.	.	.	.	.	.	1 bbl.
White-fish	.	.	.	.	.	.	24 cans.

All money due for condemned meats, amounting to \$31.73, has been collected, distributed, and receipts taken therefor, according to law.

CANNED GOODS.

The inspection of canning factories has been given close attention, and a careful investigation made of the class and quality of materials used.

In every case factories have been found to be well located, well ventilated, and especially adapted for canning purposes; and cleanliness has been the rule in nearly every establishment.

The fish, meats, and vegetables which are being put up in the canning factories in the city of Boston to-day are all that can be desired, and will so continue if the purchasing agents for the factories observe the admonition of the Board of Health that the use of none but good materials will be allowed.

Following is a list of canning factories in the city of Boston:

Anderson Company . . .	127 State street.
Amsby, J. K., & Co. . .	8 Commercial street.
Baily, A., & Co. . . .	176 Atlantic avenue.
Cowdrey, E. T., & Co. .	44 South Market street.
Dana, Thomas	7 Chamber of Commerce.
Fairbanks Company . .	43 Commercial wharf.
Hatheway, G. F. . . .	3 Central wharf.
Huckins, J. H. W., & Co. .	18 Waterford street.
Lewis Bros.	81 Broad street.
Loggie Packing Company .	176 Atlantic avenue.
Plummer, J. P. & D. . .	9 Blackstone street.
Potter, Wrightington, & Co.	New street, East Boston.
Twitchel, Complin, & Co. .	41 Sudbury street.
Underwood & Co. . . .	52 Fulton Street.

In one instance my attention was called to a small lot of butter which had every appearance of being of the first quality, except that on the surface there were numerous red spots or stains from a quarter to a half inch in diameter, and penetrating to a moderate depth. A specimen was shown to the Board of Health and referred to the State Board of Health for examination. A report of the examination, by Dr. Theobald Smithe, Pathologist to the State Board, showed the colored spots to be a pigment caused by the growth of bacteria.

REMARKS.

Upon assuming the duties of Inspector of Provisions, I discovered that, in many cases, the dealers in provisions were not fully conversant with the laws relating to the provision business; therefore, with the advice and consent of your Honorable Board I caused to be printed and distributed the following:

CITY OF BOSTON.

HEALTH DEPARTMENT.

The following extracts from the Public Statutes are published by the Board of Health for the information and guidance of persons engaged in the business of selling provisions:

(Extracts from Chapter 58 of the Public Statutes.)

SECTION 5. Whoever knowingly sells, or offers or exposes for sale, or has in his possession with intent to sell for food, any diseased animal, or any tainted, diseased, corrupted, decayed or unwholesome meat, fish, vegetables, produce, fruit or provisions of any kind whatever, shall be punished by imprisonment in jail for not more than sixty days, or by fine of not more than one hundred dollars.

SECT. 6. The place where property condemned under this charter is found, and the name of every person in whose possession it is found, and of every person convicted of an offence under the preceding section, shall be published in two newspapers published in the county in which the property was found or the conviction took place.

I am pleased to report that this action has produced very satisfactory results.

The agents of steamship and railroad lines have shown a general desire to assist in every way in the prevention of transportation to the Boston market of provisions of an inferior quality.

Respectfully submitted,

JOHN C. GROUSE,

Inspector.

NORTH GROVE-STREET MORGUE.

BOSTON, January 1, 1896.

To the Board of Health:

GENTLEMEN: I have the honor to report for the year ending December 31, 1895. There were received at the City Morgue, No. Grove street, one hundred and nineteen bodies of persons deceased, of which number thirty-five were unidentified at time of reception, and sixteen were subsequently identified. There were made, by the Medical Examiner and his Associate, forty-nine autopsies, at which I assisted.

The building will need some slight repairs the coming year to place it in proper condition.

I have the honor to be,

Very respectfully,

F. L. BRIGGS,

Supt. of City Morgue.

REPORT OF INSPECTOR OF ANIMALS.

BOSTON, January 1, 1896.

To the Board of Health:

GENTLEMEN: I have the honor to submit the following report of the inspection of animals and dressed meat at the Brighton Abattoir, and animals kept for the production of milk within the city, for the year ending December 31, 1895:

ANIMALS KILLED AT ABATTOIR.

Cattle	25,814
Calves	14,141
Sheep	77,906
Swine	470

ANIMALS CONDEMNED.

	Number.	Weight.
Cows	52	22,864 lbs.
Steers	2	1,540 "
Bulls	1	630 "
Calves	9	372 "
Sheep	1	30 "
Parts of animals		4,000 "
Total	65	29,436 lbs.

"Parts of animals," in the above table, refers to animals where only a part of the same was condemned, the unmark- etable portions being confined to the parts about the lesion, which in these cases is simply of a local condition, as a liver, heart, tongue, and fore or hind quarter of an injured or bruised animal.

Diseases found among animals after having been killed and dressed at the abattoir :

DISEASES.	Cattle.	Calves.	Sheep.
Tuberculosis	49		
Actinomycosis	7		
Septicæmia	2	.....	1
Puerperal fever	2		
Bruised	1		
Immatured		9	
Total	61	9	1

Animals received dead from the stock-yards to be dressed for food :

ANIMALS.	Number Received.	Number Condemned.	Weight.
Cows	9	2	786 lbs.
Bulls	12		
Steers	15	2	1,540 lbs.
Total	36	4	2,326 lbs.

The above table refers to animals arriving at the different stock-yards, which, from injury during transportation, or from what was supposed to be a slight and not dangerous illness, were unable to walk to the abattoir. These were shot at the yards and carted to the abattoir in the ambulance.

The following table shows the conditions found, and the reasons for killing such animals as were carted to the abattoir from the stock-yards :

ANIMALS.	Septicæmia.	Puerperal Fever.	Laminitis.	Injuries.	Wild.	Heat-stroke.
Cows . . . . .	.....	2	1	2	.....	4
Bulls . . . . .	.....	.....	3	5	.....	4
Steers	2	.....	2	8	3	
Total	2	2	6	15	3	8

TUBERCULOSIS.

The following table shows the percentage of tuberculosis in cattle killed at abattoir with the intention of being used for food :

CLASS OF ANIMALS.	Number Received.	Tubercu- losis.	Percentage.
Whole number of all kinds	25,814	49	0.189
Cows from Eastern States	1,949	47	2.41
Bulls from Eastern States	157	1	0.63
Steers from Eastern States			
Cows from Buffalo	536	1	0.18
Cows from Western States	1,421		
Steers from Western States			

Under the head of "Cows from Eastern States" is understood those animals from all of the New England States including Massachusetts.

In accordance with regulations of State Board of Cattle Commissioners, monthly reports of the abattoir have been made to that Board.

During the past year the examination of cattle arriving at the Brighton stock-yards has been under the control of the State Board of Cattle Commissioners, the local Board of Health taking no part in these examinations. During the first part of this year these examinations consisted in subjecting all animals offered for sale, as milch cows, to the tuberculin test.

Animals intended for slaughter were released for immediate slaughter at the abattoir.

Later, this examination consisted in testing only such animals, coming from without this State, as could show no certificate of recent test by recognized veterinarians.

All animals coming from other States, accompanied by certificate of recent tuberculin test, were at once released.

All animals which were pronounced tuberculous upon this test by the State Board of Cattle Commissioners were sent to the dead-house of the abattoir, and there a post-mortem examination made upon them. During the first part of this year animals which were released by the tuberculin test were branded upon the right hip with the Commonwealth seal, which was an indication that such animals were free from tuberculosis.

The following table shows the result of the post-mortem examinations at the abattoir upon such animals as were condemned for tuberculosis at the stock-yards by the State Board of Cattle Commissioners after the tuberculin test :

ANIMALS.	Number Killed.	Number Tuberculous.	Number not Tuberculous.	Percentage not Tuberculous.
Cows	159	143	16	
Bulls	5	3	2	
Steers	2	1	1	
Total	166	147	19	11.40

The following table shows the result of the examination of animals sent to the abattoir to be slaughtered for beef, after having been tested with tuberculin and pronounced free from tuberculosis, and the Commonwealth seal branded upon the right hip :

ANIMALS.	Number Killed.	Number Tuberculous.	Percentage Tuberculous.
Cows	82	8	
Total	82	8	9.75

INSPECTION OF CATTLE.

In accordance with the regulations of the Board of Health and an act of the Legislature, the work of inspection of cows kept for the production of milk has been continued during the past year. With one or two exceptions all cattle which upon inspection have shown any symptoms of tuberculosis have been subjected to the tuberculin test, and all animals which have shown a reaction to such test have been quarantined, and the State Board of Cattle Commissioners notified.

A few cows, upon physical examination, have shown well-marked lesions of tuberculosis, and have been at once quarantined. In such cases the tuberculin test has not been applied, as it seemed superfluous and unnecessary.

A few requests have been made to this office asking for the tuberculin test, which in all cases have been from owners of private animals. These tests have been made in all cases, depending upon the amount of time and work of office.

As a result of this inspection of animals within the city limits twenty cows and one bull have been quarantined as tuberculous animals, and the State Board of Cattle Commissioners at once notified.

GLANDERS.

There have been reported to this office forty-nine horses under suspicion of having glanders or farcy. Of these, fourteen have been reported by the attending veterinarian as having been killed and disposed of at once by his advice.

Of the remaining thirty-five animals, eight upon examination proved to have some other disease. All cases which proved to have glanders or farcy were reported at once to the Board of Cattle Commissioners.

Upon the killing of glandered animals the premises from which such animals have been removed have been thoroughly disinfected by the Board of Health, and other animals in the same stable carefully examined.

The delay in securing the ultimate disposition of these diseased and worthless animals and the cleansing of the stables for the use of the other animals is in wide contrast with the practice some years ago, when the matter was in charge of the Board of Health.

Respectfully submitted,

ALEXANDER BURR, M.D.V.,

Inspector and Veterinarian.

REPORT OF SUPERINTENDENT OF PEDLERS.

OFFICE OF THE SUPERINTENDENT OF PEDLERS,

February 1, 1896.

To the Board of Health:

GENTLEMEN: I have the honor to submit the following report of the work performed by this branch of the Health Department for the year ending January 31, 1896:

No change has been made in the method of granting licenses, or assigning numbers by the Board of Health. The name and number of each pedler must be plainly painted on the wagon, and the vehicles and receptacles kept clean.

The pedlers are better regulated, and the condition of their vehicles and receptacles shows a marked improvement. The men engaged in the business are more willing to comply with the laws and ordinances than formerly. There are pedlers who still persist in violating the law and ordinances, against ninety-one of whom complaints have been entered. They were all convicted, and paid fines amounting to \$494.

The City Collector received the past year \$4,968 for licenses granted by the Secretary of State, \$468 of which was paid into the county treasury and \$4,500 into the city treasury.

The license fees paid into the city treasury for 1895-6 were \$4,500, compared with \$3,525 in 1894-5 and \$1,450 in 1893-4. These figures show that more pedlers are complying with the law, and that the interests of the city are better protected under more careful supervision. We have a smaller number of pedlers in this city now compared with previous years. This is due to the fact that the unlicensed pedlers are going into other lines of business.

The depots for the distribution of house-offal at Roxbury, at the South End, and at Charlestown have been visited once each week. The vehicles and receptacles used by farmers for the transportation of swill have received particular attention, and are now in good condition.

The licenses and permits granted during the year were:

Licenses to remove grease, bones, etc.	.	.	.	106
Numbers assigned by the Board of Health	.	.	.	764
Permits granted by Superintendent of Streets	.	.	.	679
Licenses granted by Secretary of State (city)	.	.	.	180
“ “ “ “ “ “ (county)	.	.	.	117
“ “ “ “ “ “ (taxpayers),	.	.	.	80

Respectfully submitted,

JOHN McLOUGHLIN,
Superintendent of Pedlers.

APPENDIX.

The following regulations of the Board of Health are still in force :

Boston, September 10, 1892.

It was ordered that hereafter no articles of clothing or bedding in use shall be thrown overboard from any vessel in Boston harbor without the written consent of the Board of Health or the quarantine physician ; nor shall any such articles be removed from any vessel at her dock without such permission ; such articles shall no longer be brought to the city to be destroyed, but shall be burned in the harbor under the supervision of the quarantine physician, in the furnaces of the steamers.

Boston, October 17, 1892.

Whereas, the storing and handling of oyster shells near business and residential districts are attended by noisome and injurious odors, it is hereby ordered that no oyster shells shall be kept in or removed from any building, yard, or other place within the built-up portions of the city, except by written permission from the Board of Health, and only at such times and in such manner as shall be prescribed in said permit.

FILLING FOR PONDS AND WET LANDS.

APRIL 10, 1893.

Whereas, in the opinion of the Board of Health the use of refuse materials in filling ponds and bodies of water and wet lands is a nuisance, source of filth, and cause of sickness, it is therefore ordered that no person shall throw into any pond or body of water, or upon any land which at any time is covered with tide water, within the limits of the city, any refuse animal or vegetable matter or any perishable material or rubbish or filth of any kind whatsoever, between the first day of April and the first day of November, except in accordance with a written permit issued from the Board of Health to the owner of such pond or land, and no owner of such pond or land shall refuse or neglect to remove therefrom any refuse or filth hereinbefore described which shall be thrown or placed in or upon the same within the period hereinbefore specified.

TEXAN CATTLE.

JULY 29, 1893.

Whereas, Northern and Western cattle exposed to those coming from Texas, or to the premises which have been used by Texan cattle, are likely to contract a disease known as Texas fever

among cattle, it is, therefore, ordered that none of the cattle arriving from Texas shall be driven over any road or across any lands which are used or liable to be used by other cattle, nor in any way exposed to such other cattle within the limits of Boston, except within the yards immediately connected with the abattoir.

CONTAGIOUS DISEASES.

JULY 1, 1895.

At a meeting of the Board of Health, this day, the following regulation was adopted:

1. Whoever is infected with small-pox, scarlet fever, diphtheria, or membranous croup shall immediately proceed to some isolated place or room designated by the Board of Health, and no person who has been so affected shall leave such place or room, and no article shall be removed from such place or room, until the Board of Health shall certify in writing that all danger of communicating such disease to others is passed.

2. Every parent or guardian of any child or ward infected with small-pox, scarlet fever, diphtheria, or membranous croup shall immediately cause such child or ward to be conveyed to some isolated place or room approved by the Board of Health, and no parent or guardian shall permit such child or ward to remove from such place or room until the Board of Health shall find and certify in writing that all danger of communicating such disease to others has passed.

3. No person other than the attending physician, nurse, and agents of the Board of Health shall enter any apartment or other place set apart for the treatment of small-pox, scarlet fever, diphtheria, or membranous croup until the Board of Health shall certify in writing that such apartment or place has been satisfactorily disinfected.

4. No person having the care of any other person who has been affected with small-pox, scarlet fever, diphtheria, or membranous croup shall advise or permit such other person to leave any place designated by the Board of Health as a place of isolation of such infected person before said Board of Health shall have certified in writing that such person can leave such designated place without danger to others.

5. No physician who has been in attendance upon any person who has been infected with small-pox, scarlet fever, diphtheria, or membranous croup shall advise or knowingly permit such person to leave any place designated by the Board of Health as a place of isolation of such infected person before said Board of Health shall have certified in writing that such infected person can leave such place without danger to others.

STORAGE OF FRUIT.

Boston, August 3, 1893.

At a meeting of the Board of Health, this day, the following regulation was passed:

No person shall store or keep or allow to be stored or kept in

any building of which he is the owner or occupant, and which is in use in whole or in part as a dwelling-house, any fruit for merchandise except in accordance with a written permit from the Board of Health.

Cows.

Boston, April 26, 1892.

Whereas, cows' milk is one of the most common and necessary articles of food, and is oftentimes seriously impaired in usefulness and rendered dangerous to health by the want of proper care in its production or subsequent treatment or handling; it is, therefore, ordered that the following regulation be and is hereby adopted :

SECTION 1. No person shall use any building as a stable for cows, unless it contains at least 1,000 cubic feet of space for each animal, is well lighted and ventilated, has tight roof and floors, good drainage, a supply of pure water, and all other necessary means for maintaining the health and good condition of the cows, and has been approved by the Board of Health.

SECT. 2. Every person using any such building shall keep the same and the premises connected therewith, and all land used for pasturage of the cows, clean and free from filth.

SECT. 3. Every person keeping a milch cow shall permit it to be examined from time to time, as to its freedom from disease, by a veterinarian designated by the Board of Health.

SECT. 4. No person having an infectious disease, or having recently been in contact with any such person, shall milk cows or handle cans, measures, or other vessels used for milk intended for sale, or in any way take part or assist in handling milk intended for sale, until all danger of communicating such disease to other persons shall have passed.

SECT. 5. No person shall sell or use for human food the milk of a diseased cow, or permit such milk to be mixed with other milk, nor until it has been boiled, shall sell or use such milk, or any mixture of such milk, for food of swine or other animals.



ANNUAL REPORT
OF THE
HOSPITAL DEPARTMENT,
FOR THE YEAR 1895-6.

[DOCUMENT 13 — 1896.]



THE BOSTON CITY HOSPITAL, — SOUTH DEPARTMENT. FOR INFECTIOUS DISEASES.

Rear View.

THE BOSTON CITY HOSPITAL,
BOSTON, January 31, 1896.

HON. JOSIAH QUINCY,
Mayor of the City of Boston:

The Trustees of The Boston City Hospital, in compliance with the Ordinances, respectfully present herewith their annual report *for the year beginning February 1, 1895, to January 31, 1896, inclusive.*

NUMBER OF PATIENTS AND EXPENDITURES.

Number of patients remaining in the hospital		
January 31, 1895, inclusive		483
Admitted from February 1, 1895, to January 31, 1896 :		
Medical	3,206	
Surgical	3,222	
Gynæcological	503	
Contagious	850	
Ophthalmic	100	
Aural	75	
	<hr/>	7,956
		<hr/>
Treated during the year		8,439
		<hr/>
Discharged during the year	7,106	
Died " "	881	
	<hr/>	7,987
		<hr/>
Number of patients remaining in the hospital		
January 31, 1896		452
Largest number of patients in the hospital at		
any one time		533
Smallest number of patients in the hospital at		
any one time		373

Daily average number of patients	448 $\frac{43}{100}$
Average number of days' stay of patients	19 $\frac{39}{100}$
Number of patients accidentally injured, admitted	1,469
Number of weeks' treatment given in hospital,	23,383
Number of days' treatment given in hospital	163,680
Number of applicants for admission to hospital,	11,589
Number of applicants rejected	3,633
Number of patients treated in Convalescent Home	414

Number of patients treated in the out-patient departments, classified according to diseases :

For medical diseases	3,377
“ surgical “	7,341
“ diseases of the eye	1,661
“ “ “ “ ear	584
“ “ “ “ skin	941
“ “ “ women	681
“ “ “ the nervous system	543
“ “ “ the throat	1,136
Surgical out-patients treated in the accident rooms, and not elsewhere included	1,476
Total number of out-patients	17,740

Number of visits by patients to the out-patient departments, classified according to diseases :

For medical diseases	6,211
“ surgical “	39,566
“ diseases of the eye	5,219
“ “ “ “ ear	2,704
“ “ “ “ skin	2,058
“ “ “ women	2,246
“ “ “ the nervous system	2,933
“ “ “ “ throat	3,383
Surgical out-patients treated at accident-room, and not elsewhere included	1,476
Total number of visits of out-patients	65,796

HOSPITAL DEPARTMENT.

3

STATISTICS OF PATIENTS ACCORDING TO SERVICES, FEBRUARY 1, 1895, TO JANUARY 31, 1896, INCLUSIVE.

Services.	In Hospital Feb. 1, 1895.	Admitted.	Discharged.	Died.	Total Dis- charged & Died.	In Hospital Feb. 1, 1896.
First Surgical.....	61	1,094	1,010	90	1,100	55
Second Surgical....	66	897	825	75	900	63
Third Surgical.....	76	1,231	1,138	84	1,222	85
First Medical.....	50	1,009	857	132	989	70
Second Medical....	46	1,139	920	195	1,115	70
Third Medical.....	57	1,058	920	127	1,047	64
Contagious.....	81	850	774	157	931	10
Gynæcological.....	33	503	482	19	501	35
Ophthalmic.....	7	100	105	.....	105	2
Aural.....	6	75	75	2	77	4
Totals.....	483	7,956	7,106	881	7,987	452

¹ Eight months.

The entire amount expended for all departments of the hospital during the year was \$284,417.92. Of this amount \$233,733.38 was on account of the hospital proper and epidemic hospital; \$30,455.75 on account of the South Department; \$7,706.18 on account of the eight out-patient departments; \$7,485.96 for the Convalescent Home; \$1,685.28 on account of determining the settlement of paying patients; and \$3,351.37 on account of new buildings.

From the amount expended for the hospital proper (\$233,733.38) should be deducted the difference in the amount of stock on hand February 1, 1896, which was \$1,915 more than we possessed on February 1, 1895; making the total amount chargeable to the expenditures of the year \$231,818.38. Of the total amount expended, several items were for purposes not within the ordinary yearly maintenance of the patients. From the itemized table of disbursements it will be seen that there were expended for fire-escapes \$1,356; for new telephone system, \$749.50; for claims awarded, \$50; expense incurred in card-cataloging clinical records, etc., \$782.56; medical and surgical reports, \$577.96; making a total of \$3,516.02, which, deducted from the total expenditures of the hospital department, leaves \$228,302.36 properly chargeable to current expenses. This amount, divided among 8,439 patients for 23,383 weeks' board, gives \$9.76 as the cost to the city of each patient per week. The weekly cost of each patient at the Convalescent Home has been \$6.24. The Trustees have collected and

paid into the city treasury in cash the sum of \$56,723.44, this sum having been received principally on account of board of patients. No allowance has been made for this amount in computing the weekly net cost of each patient to the city.

The maximum number of patients in the hospital proper at any one time was 533, or seven less than last year. The minimum number at any one time was 373. The daily average number of patients was 448.43, or fourteen less than last year. The total number of patients treated in the wards was 8,439, which was 160 less than last year, and 324 less than two years ago.

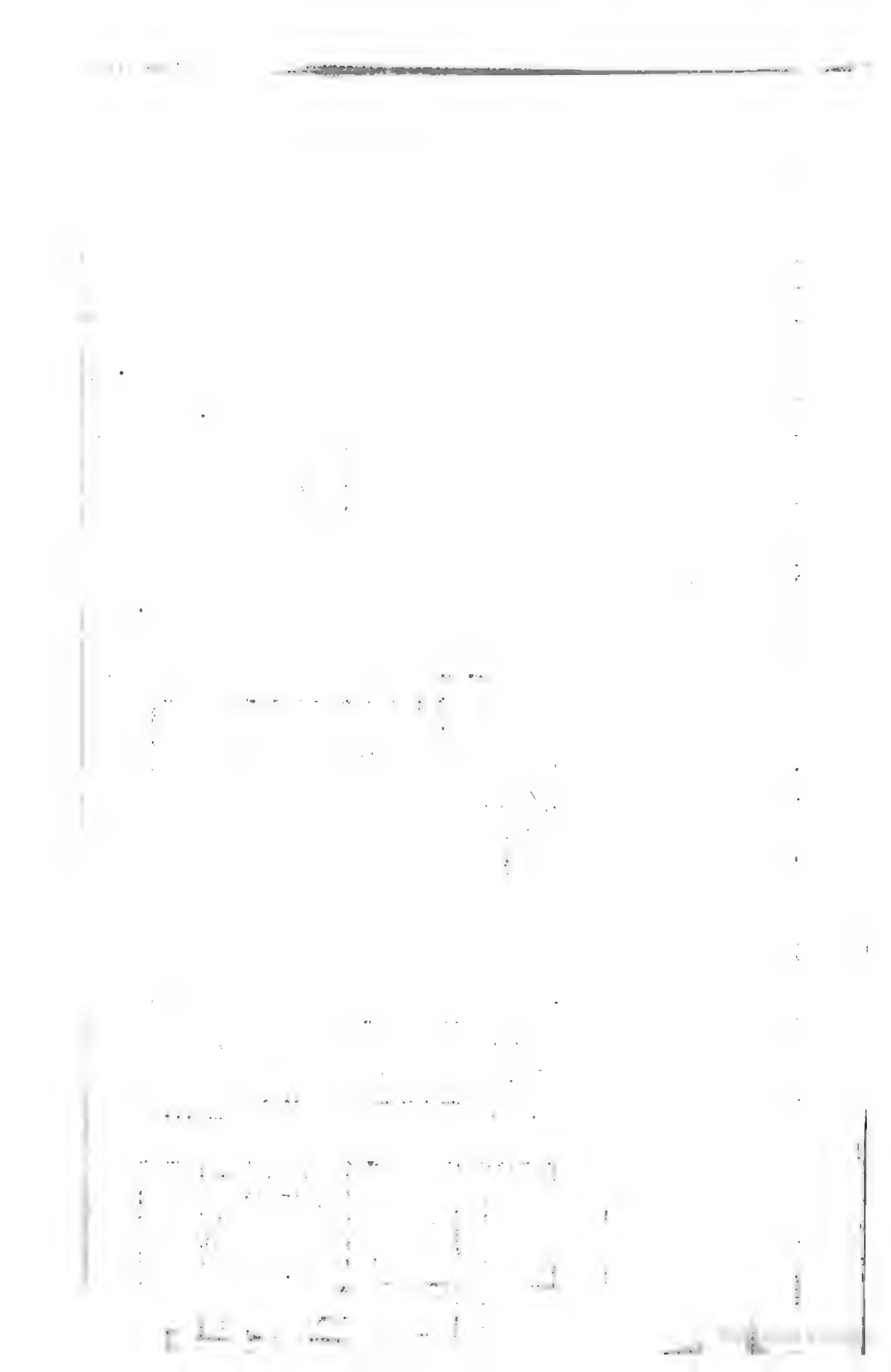
The report of the Superintendent, presented herewith, contains, besides other information, a more detailed statement of the expenditures of the year, and of the number of patients admitted, and is accompanied by the medical and surgical statistics. These tables give in detail the number of patients treated in the hospital and the number treated in the out-patient departments during the year, with classified statements of their diseases and results of treatment.

PAYING-PATIENTS.

During the year there have been collected on account of the board of paying-patients of all classes the following amounts: From the Commonwealth, for the board of patients for whom the Commonwealth is responsible, \$31,077.60; from other cities and towns, \$6,833.60; from private-room and ward paying-patients, collected by the Superintendent, \$16,396.40; from the South Department, \$625.99; making the total income from all classes of paying-patients, \$54,933.59.

The accommodations for paying-patients in the hospital proper have diminished rather than increased. Four rooms have been rendered uninhabitable by reason of the constructional changes in building the new operating building adjoining the two private surgical wards. One room has been taken for the accommodation of the increased number of nurses, and one for house officers. We have been obliged at times to use private rooms as isolating rooms for special classes of cases that could not otherwise be provided for, and various other things have decreased rather than increased the accommodations for paying-patients. Large numbers of requests for the admission of patients desiring private rooms, especially surgical patients, have been received from various towns and cities throughout New England. The Trustees have not largely granted these requests, because there were not sufficient accommodations, and because it is





believed to be the best policy to reserve these rooms for those who have a claim upon the hospital by reason of residence. These facts tend to show that the reputation of the hospital is extending, and that there are large numbers of people in New England and beyond who would like to avail themselves of the use of the hospital if they were eligible for treatment.

THE SOUTH DEPARTMENT.

The most notable event of the hospital year has been the opening of the new South Department for infectious diseases. Those who have followed the hospital reports for recent years cannot have failed to observe the great discomfort and spread of infectious diseases among patients, nurses, and employes in the general wards, by reason of the close proximity of these diseases to the general household. Happily, the completion and organization of the South Department will remedy many of these difficulties.

The South Department consists of a group of seven buildings, situated on Massachusetts avenue and bounded by Albany and Northampton streets. The administration building is three stories high, with a habitable basement, and provides for the general administration of the relations between the hospital and the public, and also for offices and residence of the staff and executive officers. The gate lodge, domestic building, and laundry building are for the general uses that pertain to such buildings, in connection with a hospital. There is also a home for nurses, which is so arranged that it is divided into two complete buildings, joining, but isolated from each other, and the stairways are so arranged that each floor is separate from the other floors. By this arrangement, six sets of nurses are able to occupy the building without coming in contact with each other.

A restricted site made it necessary that the buildings devoted to patients should be arranged with as little communication as possible, and yet be compact. There are two two-story buildings, each 160 feet long, divided by open-air transverse corridors, so that each floor can be divided into four complete isolating wards, or groups of wards. This gives a classification of sixteen wards, not counting the fact that except the semi-octagonal wards at the south end, each group of wards is subdivided into rooms. No pains has been spared that the construction of these buildings should be of the best. They are of slow-burning construction, and large amounts of glazed brick and tarazzo flooring have entered into the construction of the buildings. The normal capacity of the wards is 200 beds. This can be easily

extended, as the amount of cubic space per patient is large, and extra beds or cribs, in case of large demand, could be placed in various wards and rooms.

The wards were opened on August 31, by the transfer of eleven patients from Wards A and E. The Trustees considered it the wisest policy that this department should be under charge of an experienced resident staff, instead of continuing the previous questionable policy of having a visiting staff, which is frequently changed. The Trustees were very fortunate in securing the services of Dr. J. H. McCollom, so long and so well known as the City Physician of Boston, and an expert in infectious diseases. The South Department will be under the general charge of the Superintendent of the hospital, except that the Resident Physician will have the entire care and responsibility of the professional treatment and management of the patients. He has for his assistants two resident salaried physicians, and a house staff of six young medical men; making a total of nine on the resident professional staff for the treatment of the patients.

The statistics for the South Department for infectious diseases, for the five months from August 31, 1895, to January 31, 1896, inclusive, are as follows:

Number of patients transferred from infectious wards at The Boston City Hospital to South Department at time of opening	110
Admitted during five months	1,029
	<hr/>
Treated during five months	1,139
Discharged during five months	817
Died during five months	120
	<hr/>
	937
	<hr/>
Number of patients remaining in South Department January 31, 1896	202
Largest number of patients in the South Department at any one time	213
Smallest number of patients in the South Department at any one time (day of opening)	11
Daily average number of patients	130 $\frac{80}{100}$
Average number of days' stay of patients	17 $\frac{51}{100}$
Number of weeks' treatment given in South Department	2,859
Number of days' treatment given in South Department	20,013
Number of applicants for admission to South Department	1,100



THE BOSTON CITY HOSPITAL, — SOUTH DEPARTMENT.
Transverse Front View.



Number of applicants rejected	71
Number of patients admitted over 15 years of age	209
Number of patients dying within 24 hours of admission	40
Number of patients dying within 48 hours of admission	53
Average age of patients	9

DEATH-RATE, SOUTH DEPARTMENT.

	Patients Treated.	Deaths.	Percentage of Deaths.
Diphtheria alone	814	96	11 per cent.
All other causes	295	24	8 " "
Total	1,139	120	10½ per cent.
Of the 120 deaths, there occurred within forty-eight hours after admission		53	44 " "

In considering the cost of maintaining the South Department as a hospital by itself, some embarrassment is experienced from the fact that the relations between the hospital proper and the special South Department are so intimately involved that many expenditures upon the hospital proper included large and direct benefits received by the other department that could not be easily separated.

Approximately, however, the sum expended upon the South Department has been \$30,455.75; of this sum, \$6,263.92 were expended upon the completion of seven buildings, new furniture and equipment, and not upon the care of patients. Deducting this amount from the general account, there remains the sum of \$24,191.83, from which there should be deducted the stock on hand at end of year, namely, \$4,677.13; this leaves \$19,514.70 as the sum charged on the books to maintenance for five months. This sum, expended upon 1,139 patients treated, and divided by 2,859 weeks' board, gives the sum of \$6.82 as the cost per patient per week. This sum cannot, however, be taken as the actual cost, for reasons previously stated.

The decreased cost is largely due to the fact that while the average age of patients at the hospital proper is that of the adult, the average age of the patients at the South Depart-

ment is nine years. A comparative computation of the cost of meat, fish, and eggs for one week was made between the two departments, and the cost at the hospital was eighty-six cents, and at the South Department thirty-six cents per week. Taking this as an actual test, and applied to all other subsistence supplies, medicines, and medical supplies, etc., we can obviously infer that the cost of support in the South Department would be about 70% of that for supporting the hospital proper, based upon the number of patients and persons in the two departments. Other factors, such as the difference in repairs to buildings, general corporation expenses, etc., largely reduce the comparative per capita expense at the South Department. These statistics have been made with the wards at nearly all times full. In seasons when fewer patients are treated, the per cent. of difference might be largely diminished.

The South Department has now been in active operation for five months, which has been long enough to demonstrate the wisdom of the Trustees in recommending that such a separate establishment should be maintained for the treatment of infectious diseases. As far as the Trustees are aware, this is the most complete and best-equipped hospital for infectious diseases in America, and it is doubtful if there is any hospital in Europe, located upon a restricted site, which possesses the superior advantages of the South Department. So thorough has been the construction, equipment, and organization, that the South Department is carried on in an efficient and gratifying manner. If the department maintains the same average number of patients that has been treated during the past five months, the Trustees are happy to say that the expense of maintaining this department will not be as large as was first anticipated. In case, however, the epidemics of diphtheria and scarlet fever, which have been so prevalent of recent years, should abate, and the number of patients under treatment in the wards should be considerably reduced, the cost of maintaining this department must necessarily be proportionately large. There is no doubt, however, that all cities the size of Boston should have a large hospital for infectious diseases constantly equipped and in running order to meet the demand at all times and under all conditions. This is the only efficient way in which infectious diseases can be stamped out, if it is possible to effect this result, even with a large, well-appointed hospital at command, as the city of Boston may be congratulated as now possessing.



THE BOSTON CITY HOSPITAL, — SOUTH DEPARTMENT.
Probation or Isolating Ward.

THE PATHOLOGICAL LABORATORY.

Among the new and important additions to the hospital buildings are the Pathological Laboratory, Mortuary and Mortuary Chapel, at the corner of Massachusetts avenue and Albany street. This group of buildings is constructed in the shape of the letter **H**. The connecting building between the Pathological Laboratory and Mortuary Chapel is the mortuary room for receiving the bodies of patients who may die in the hospital. This portion of the building is divided into two large rooms for receiving the dead. The walls are of glazed brick, and the floors of tarazzo, with marble baseboards. The receptacles for the dead are on the columbarium plan of light portable caskets arranged in rows, so as to accommodate twenty bodies. These columbaria or receptacles are so arranged that bodies can be kept cold by artificial refrigeration, so that at all seasons of the year the accommodations for caring for the dead shall be of the best possible kind. There are additional rooms for the Medical Examiner, waiting-rooms for friends who visit the mortuary, and every possible convenience for all purposes connected with a mortuary. This group of buildings is arranged with a cloister, connecting the Pathological Laboratory with the Mortuary Chapel. The latter is a building 48 feet long by 30 feet wide, has an arched roof, with tarazzo floor, marble base and dado, the architectural features being in keeping with the purposes for which the chapel was designed.

The most important of this group, however, is the Pathological Laboratory. This consists of a large building 118 feet long by 42 feet wide, two stories high, and contains the following rooms: The post-mortem room, which is a large room 34 feet long by 28 feet wide, extending through two stories. It is arranged in the form of a small amphitheatre, constructed entirely of metal or marble, and has a seating capacity for seventy-two persons. This permits the witnessing of autopsies by physicians and medical students. Adjoining this is a culture-room. At the east end of the first story is a clinical laboratory with two rooms for special research. The second floor is divided into a biological laboratory, pathological laboratory, two research laboratories, with adjoining rooms for culture-rooms, etc. The basement contains rooms for additional laboratory work, such as photography, and the preparation of materials, storerooms, and other necessary rooms.

This building, in addition to the ordinary methods, is

ventilated by a fan, driven by a special engine, which receives air sixty feet from the ground, and after heating, the air is strained through cloth tubes, and, after passing through the rooms, is aspirated and sent out through a large aspirating shaft in another portion of the building. It is expected that this method will keep the air pure at all times, and free from dust and all deleterious material.

No modern hospital, especially a large metropolitan hospital of the size of The Boston City Hospital, can be considered as having the proper facilities for doing scientific medical work without a well-equipped laboratory. The Trustees believe that, while the cost of these laboratories has been large, they have exercised wisdom in affording to the professional staff of the hospital every facility for the treatment of patients fully within the most advanced lines of modern scientific medicine. Under the stimulating guidance of Dr. Councilman, the Visiting Pathologist, the work has already made great advances; and, besides the six gentlemen connected with the Pathological Staff and two additional house-officers, ex-house-officers and physicians in active practice are seeking opportunities for the investigation of disease which these laboratories afford. The Trustees congratulate the citizens of Boston on possessing a hospital which affords the special advantages attained by the addition of the new laboratories to the hospital work.

MEDICAL AND SURGICAL REPORTS.

The sixth volume of the Medical and Surgical Reports has been issued during the year. Much of the new and original contents of this volume is directly due to the laboratory and its influence upon hospital practice. It is desirable, and it is hoped, that these Medical and Surgical Reports, which contribute much that is of value and scientific interest, may be annually continued.

PRESENT CAPACITY OF THE HOSPITAL.

As has been pointed out in the report of the Superintendent, the capacity of the hospital proper has decreased rather than increased. Last year the number of beds was 500. There are at the present time only 482. The Superintendent's report explains the causes of this reduction. On the opening of the new two-story surgical wards, which are rapidly approaching completion, fifty-nine additional beds will be available, which will bring the capacity of the hospital proper to 541 beds. This includes also six additional



THE BOSTON CITY HOSPITAL,—SOUTH DEPARTMENT.
Semi-octagonal Ward for Convalescents.

private rooms. This capacity, however, will not be maintained throughout the year, on account of the fact that the building containing the large operating amphitheatre, and also occupied in the second and third stories by private surgical wards and the children's surgical ward, will have to be given over to reconstruction. It is probable that the new two-story ward will be used, as far as possible, for the accommodation of women and children, and the more serious classes of ward surgical patients, both men and women. The full capacity of the hospital cannot be utilized until near the close of the year, when it is expected that the number of beds in all the departments will be 782, and a sufficient number of beds in the casualty wards for men and women to make a total of 812.

As soon as the means are available, the Trustees will renew their former recommendation and intention that a two-story ward for isolating surgical patients, both men and women, should be constructed on the corner of Concord and Albany streets, which building, on the plans of the hospital, is marked "D." As soon as the money is provided, the Trustees will also recommend that Ward P, which is a one-story male surgical ward, should be destroyed, and in its place a new open two-story ward be built like the one now being constructed. Ward P was built twenty years ago, under the era of cheap construction, when it was thought wiser to build wards of cheap construction and tear them down at more frequent intervals. The changes in the methods of doing surgical work, however, have shown that this policy is not a necessary one. The building, as now situated, is too near the operating-room, there being only sixteen feet between the buildings, and there is plenty of space to move the building farther south-east, towards the new two-story ward. The present building is shaky, requires a large amount of money to keep it in repair, and, in case of a fire, would prove a veritable fire-trap. No attempt whatever was made in the construction of this building for the prevention of the spread of fire, should it occur in any part of the building. This reason alone should be sufficient to condemn the building.

HOSPITAL RENOVATIONS.

As will be seen by the Superintendent's report, the amount of repairs for the buildings in all departments of the hospital has been \$10,501.53. This sum is about nine or ten thousand dollars less than it should have been to keep the buildings in proper repair, and only what was absolutely

necessary has been done, as the Trustees were doubtful how much money could be spared from running the new South Department. At the very close of the year, however, the Trustees were able to spend \$2,655 upon new plumbing. They are also glad to record the fact that they have expended the sum of \$1,356 upon new fire-escapes. This sum is small in proportion to the objects accomplished, as in case of a fire patients now have means of egress from all parts of the hospital buildings, whereas previously, in many instances, the patients might have been cut off from all egress. Five wards have been renovated by painting, kalsomining, and putting the ward furniture in the best sanitary condition.

OUT-PATIENT DEPARTMENTS.

The Out-Patient Departments have been efficiently carried on throughout the year. The number of patients treated in the various departments has been 17,740, and the number of visits 65,976. This number of visits is an increase (2,334) over last year. The amount of relief afforded by these various out-patient departments has been very great, and the excellent facilities, which are among the best of any dispensary in this city for carrying on this work, have greatly enhanced the value of the professional labors of the Out-Patient Staff. While the free and unquestioned treatment of all classes applying at dispensaries and out-patient departments is quite questionable, the fact remains that the service rendered by the Out-Patient Departments of this hospital is very large in amount and very efficient in quality. The statistics of recent years would seem to indorse the fact that the present facilities are quite sufficient to meet the demands of the public. It should be noted, however, that the increase of work in the Surgical Out-Patient Department has been larger than in any other, and that the accommodations in that particular department are insufficient. It is only a question of time when the present one-story building must be replaced by a larger and more commodious structure, although it is hoped that it will be large enough to meet the demands for at least two or three years.

APPROPRIATIONS.

The Trustees are gratified at the very liberal response that has been given in recent years to their requests for additional money for new buildings. The members of the City Council, by their visit to the hospital during the past year, and

by means of various communications, are more or less familiar with the large increase of the hospital as well as its capacity for the treatment of a large number of patients. It is, however, the duty of the Trustees to call the attention of your Honor and the City Council to several matters which in their judgment will require speedy operation. In a letter recently addressed by the Trustees to your Honor, they called attention to several urgent and pressing matters which the Trustees are very anxious should be speedily completed, as follows :

FURNISHING NEW WARDS AND SURGICAL OPERATING BUILDING.

The two new surgical wards are well advanced towards completion, and will probably be ready for occupancy within sixty days. These wards will furnish fifty-nine additional beds, and in the early fall the operating building, with two additional wards, will furnish the long-desired additional room for the Surgical Department. It is obvious that as these four wards and operating building are accessions to the present capacity of the hospital, they cannot be used without furnishings. The sum required is entirely beyond the amount that can be taken from the ordinary maintenance, and as it is a new and extraordinary expenditure, it will require an additional appropriation for the purpose. The Trustees estimate that for the purpose of furnishing the new buildings, including the surgical operating-rooms, there will be required the sum of \$24,000.

ELECTRIC PLANT.

The Trustees had planned to put in an electric plant of size sufficient to light all the hospital buildings, which now extend over four city squares, from East Concord street to Northampton street, and comprise twenty-nine buildings, on fourteen acres of land. About \$20,000 has already been expended in wiring the new buildings. The new power-station for heating and furnishing power is now completed and in active operation. There is also a new dynamo-house, specially erected for the purpose of receiving an electric installation, at present vacant and of no avail. When the additional hospital buildings were completed, it was found that the amount of money required for an electric installation was insufficient for that purpose, and therefore the Trustees have delayed for further appropriation. A part of the original estimates for electric wiring and electric plant has been

received and expended, and the work done under competitive bids. The contractors now stand pledged to complete the plant as called for, for the sum of \$39,650. The Trustees believe that it would be in the interest of economy, for the improved health of the patients, a safeguard against fire, and a good business procedure if an electric plant could be established as above indicated. It is now an incompleting work.

MEANS FOR EXTINGUISHING FIRES.

The Trustees deem it of the utmost importance that the old buildings should be provided with proper means for the extinguishing of fires. All new buildings have been provided with standpipes and means of extinguishing fires, but the old buildings are not so provided. They are constructed under methods which would not be permitted to-day under existing building laws. If a fire should break out in the older buildings, it would, beyond a doubt, be very destructive, and possibly involve the lives of patients. There is only one four-inch hydrant on the old hospital grounds, which has been in place thirty years, and which the Fire Department has pronounced useless as a hydrant. The Trustees, under the City Engineer's Department, made plans and specifications and had received estimates for the sum of \$6,800 to be used for this purpose, but it was decided by the Law Department that money appropriated for new buildings could not be used for this purpose. The Trustees therefore call attention to this item, and believe that the city of Boston would much rather spend the reasonably small amount required for this purpose than take the responsibility of loss of lives and attending litigation which almost invariably follow fires in hospital buildings occupied by the sick.

ACCOMMODATIONS FOR NURSES AND DOMESTICS.

During the last ten years large and important additions have been made to The Boston City Hospital. In 1885 the bed capacity of the hospital was 365. In that year a house for the special accommodation of nurses was constructed, with a capacity for sixty-seven nurses, which was all that was required at that time. Since that year the hospital has been still further enlarged by the completion of the new Out-Patient Building, remodelling of the old Surgical Out-Patient Building, the building of Wards A and E for infectious diseases, the Medical Library, Convalescent Home, new ambulance-station, new power-house and dynamo-house on Albany street, and the new South Department for infectious dis-

ease, composed of seven additional buildings. While the hospital has been constantly increasing in its bed capacity for patients, it has not kept pace with the accommodations necessary for employés, particularly for nurses and women employés. The accommodations for nurses at the new hospital for infectious diseases are ample for all present and future uses of the hospital, and are among the best in the country. The accommodations for nurses at the hospital proper, however, have not increased for several years. The Nurses' Home accommodates sixty-seven. There are at present 124 nurses, and when the new wards are opened, there will be required about 136. This shows a needed increase of accommodations for sixty nurses, and a proportionate number of domestics and employés. The Trustees are at present hiring a house on Springfield street, at an annual cost of about \$1,000. Nurses are assigned to undesirable rooms in the old buildings that might, if vacant, be used for the accommodation of patients. Under a special act of the Legislature, the city of Boston has power to take, by right of eminent domain, ten houses on the corner of Massachusetts and Harrison avenues. The money necessary for this purpose, \$68,000, was once appropriated, but was diverted from its original purpose in order that it might be used for the building of the new South Department. The Trustees urge upon the city government the necessity of this object, and suggest that the original appropriation of \$68,000 be restored.

NEW LAUNDRY BUILDING.

As has already been pointed out, the hospital has doubled its accommodations for patients, and needs not only additional accommodations for nurses, but its laundry building must be enlarged, it being wholly inadequate as at present. While new and improved machinery has been added in recent years, the laundry has received no enlargement, because it is impossible to do so on its restricted location. The Trustees would recommend that the building containing the old boilers and the old mortuary and post-mortem house be torn down and a new building erected in its place, which shall include a wash-house and sterilizing-house in the basement, ironing, airing, and sorting rooms in the second story, and domestics' rooms in the third story. The Trustees are advised that such a building would cost about \$36,000.

The above requirements, tabulated, will read as follows :

Furnishing new buildings	\$24,000 00
Electric installation	39,650 00
Hydrants and standpipes	5,280 00
Taking estates for additional Nurses' Home	68,000 00
Laundry building	36,000 00
Total	<u>\$172,930 00</u>

The Trustees appreciate the liberal support that the City Council has given this department in recent years. The hospital has practically doubled in size, and while it can accomplish a great increase in its work in the treatment of patients, it cannot be considered efficient and properly managed until the demands set forth in this document are carried out.

ANNUAL APPROPRIATIONS.

The Trustees estimated, after much calculation and consideration, that the sum of \$363,225 was necessary to maintain the hospital during the present fiscal year. It was found, however, on the apportionment of the available sums for the various departments, that the Hospital Department could only be given \$340,000. The Trustees will endeavor to restrict the expenditures of this department so as to come within the money appropriated. They regret, however, that the sum originally asked for was not granted, in order to make radical improvements in many of the hospital buildings which have been made necessary by long delay, and in many cases neglected for lack of means.

THE CONVALESCENT HOME.

The Convalescent Home has now completed its fourth year, and in the opinion of the Trustees has proved the usefulness it was expected to give to patients convalescing, after their discharge from the general wards. The number of patients treated during the year has been 414, and the total number of days' board 8,395. The weekly cost per patient was \$6.24. The general condition of the home remains the same.

Miss Riddle, who was the matron in charge, has been transferred as Assistant Superintendent of Nurses and Matron of the new South Department. Miss H. Josephine Shepherd, the Night Superintendent of Nurses, has been appointed her successor.

TRAINING SCHOOL FOR NURSES.

The Training School for Nurses, which was organized in 1878, has now graduated 406 pupils, of whom 32 were graduated during the past year. Like all other departments of the hospital, the Training School service has felt the increased growth of the hospital. The opening of the South Department has demanded thirty-four nurses. The nursing service at the South Department is a part of the Training School, and under the same general management. The Assistant Superintendent of Nurses at the South Department is assisted by a day supervisor of nurses and night supervisor of nurses. There are also four graduate head nurses, and the remaining number of the nursing staff at the South Department is made up by transferring pupils from the hospital proper for a term of service of three to four months, according to the various conditions of the Training School. The large accession has caused an unusually large number of probationers. Temporarily this has caused much solicitation and labor on account of the large number of inexperienced nurses in the general wards of the hospital. In a few months, however, this condition will attain a proper adjustment, and then it is hoped that the character of the service will be equal to, if not superior, to what it has been in the past.

The Trustees have elsewhere called renewed attention to the fact that the accommodations for nurses still remain inadequate in the hospital proper.

THE MEDICAL AND SURGICAL STAFF.

The following are the changes in the Medical and Surgical Staff: Benj. Cushing, M.D., H. W. Williams, M.D., Consulting Physicians and Surgeons, and Edward Wigglesworth, M.D., Physician for Diseases of the Skin, have died. A. M. Sumner, M.D., T. M. Rotch, M.D., Visiting Physicians, have resigned. Francis H. Williams, M.D., and Chas. F. Withington, M.D., have been promoted from Assistant Visiting Physicians to Visiting Physicians. Henry Jackson, M.D., and George G. Sears, M.D., have been promoted from Physicians to Out-Patients to Assistant Visiting Physicians.

The following appointments have been made during the year: Carroll E. Edson, M.D., Physician to Out-Patients; J. Bapst Blake, M.D., and Fred B. Lund, M.D., Surgeons to Out-Patients.

James H. Wright, M.D., was appointed to the newly

created position as Second Assistant Pathologist, and J. Bergen Ogden, M.D., to a new position created as Assistant in Clinical Pathology. Dr. William R. Stokes, Resident Assistant Pathologist, resigned, and the vacancy was filled by the appointment of Timothy Leary, M.D.

The Physicians to Out-Patients have been increased from three to four.

The rules relating to the appointment and promotion of House-Officers have been changed. Previously, House-Officers were appointed on nomination of the Visiting Staff, following a competitive examination, for a term of eighteen months — six months as externe, six months as Junior Interne, and six months as House Physician or Surgeon. This method was not deemed the most efficient, because inefficient House-Officers were not ordinarily dropped except for serious misdemeanors. Under the new regulation, House-Officers are appointed by the same method, but for a term of six months as externe, their promotion as interne being dependent upon the satisfactory performance of their duties in the department to which they are assigned. The failure to perform satisfactorily his duties does not secure his promotion to the position of Junior Interne, and, in turn, after his second six months of service, to the position of House Physician or Surgeon.

The positions of two Pathological House-Officers have been created, each for the term of one year.

On account of the large increase in the amount of executive work, the Trustees have increased the importance of the position of Assistant Superintendent by increasing the salary of the position and securing a permanent assistant for that office. The position has been filled by the appointment of Dr. Charles G. Dewey, who has already had extended service in various State institutions.

The Trustees make grateful acknowledgment of the fidelity and painstaking labor of the gentlemen composing the Medical and Surgical Staff of the hospital, and acknowledge their gratuitous labors and experienced skill given to the patients of the hospital.

DECEASE OF MR. GEORGE B. NICHOLS.

The Trustees record with much regret the death of Mr. George B. Nichols, who was a Trustee of the Hospital from January, 1888, to November, 1895, a period of more than seven years.

The Trustees have placed upon their records the following tribute of respect and appreciation :

"The Trustees of The Boston City Hospital desire to place upon record their sense of inestimable loss in the passing away of their colleague, the late George Bates Nichols, for nearly eight years a member of this Board.

"By his fidelity and zeal, his discriminating wisdom, his honesty of purpose, and, above all, his deep sympathy for the sick poor and his untiring efforts for their well-being and comfort, his work as a member of this Board was always in harmony with the best interests of The Boston City Hospital, and a most important factor in placing the institution upon its present high plane of efficiency."

GIFTS, BEQUESTS, AND PERSONAL ASSISTANCE.

The hospital has received no bequest or legacy during the past year. While the Trustees recognize that, being a municipal hospital, the work will be carried on by tax-levy appropriation, they desire to call attention to the fact that other municipal hospitals in New England and elsewhere have large funds for general purposes. The aggregate of the trust-funds of this hospital is \$48,500. At least one city in New England, not one-quarter the size of Boston, already has a hospital with funds amounting to \$250,000, the gifts or bequests of public-spirited citizens, contributions to the care of the sick poor of their city. The Trustees believe that such donations are wise, and should be encouraged, and they invite the attention of liberal and philanthropic citizens to this fact.

The Trustees render their grateful acknowledgments to the various persons who have contributed in so large a measure to the personal comfort and encouragement of the sick in the hospital. The various organizations, such as the City Missionary Society, Episcopal City Missionary Society, Flower Missions, Easter Song and Flower Mission, and numerous other organized charities, have contributed more than in previous years to the welfare of the sick. In addition, there have been individual visitations of clergymen, hospital visitors, Bible-readers, and others, who come from purely philanthropic motives for the same purpose. The Trustees recognize with much gratitude the large donations, at Christmas and Easter, of clothing, toys, and

flowers, and other contributions, each according to the season. To all, the Trustees return their most cordial acknowledgments.

The Trustees take much pleasure in acknowledging the valuable services of Dr. Rowe, the Superintendent of the hospital, his efficient assistants, the Matron, and those of the Resident Physician of the South or Contagious Department.

They also wish to testify to their sincere appreciation of the fidelity, zeal, and conscientious interest in the welfare of patients, invariably shown by the entire corps of attachés throughout the Hospital.

For the Trustees,

A. SHUMAN, *President.*

REPORT OF THE SUPERINTENDENT AND RESIDENT PHYSICIAN.

THE BOSTON CITY HOSPITAL, January 31, 1896.

To the Trustees:

GENTLEMEN: I have the honor to present herewith my annual report of the hospital for the year, February 1, 1895, to January 31, 1896, inclusive.

The following table shows the number of patients who have each year applied for admission, and been treated at the hospital:

	Patients examined for ad- mission.	Patients admitted.	Patients accident- ally injured.	Number of out- patients treated.
From June 1, 1864, to December 31, 1864 (7 mos.)	703	475	129	371
From January 1, 1865, to December 31, 1865.....	1,451	1,066	242	1,143
From January 1, 1866, to December 31, 1866.....	1,740	1,432	345	3,324
From January 1, 1867, to December 31, 1867.....	1,213	1,534	328	7,015
From January 1, 1868, to December 31, 1868.....	2,729	2,078	417	8,794
From January 1, 1869, to April 30, 1870 (16 mos.)	4,632	3,054	482	11,791
From May 1, 1870, to April 30, 1871	3,977	2,396	525	8,899
From May 1, 1871, to April 30, 1872	4,387	2,873	565	8,947
From May 1, 1872, to April 30, 1873	4,326	3,304	660	7,526
From May 1, 1873, to April 30, 1874	4,230	3,201	804	9,272
From May 1, 1874, to April 30, 1875	4,652	3,424	756	8,732
From May 1, 1875, to April 30, 1876	4,434	3,180	689	9,413
From May 1, 1876, to April 30, 1877	4,713	3,580	663	8,526
From May 1, 1877, to April 30, 1878	5,068	4,034	604	9,658
From May 1, 1878, to April 30, 1879	5,285	4,323	731	10,419
From May 1, 1879, to April 30, 1880	5,444	3,995	595	10,309
From May 1, 1880, to April 30, 1881	5,781	4,418	553	10,605
From May 1, 1881, to April 30, 1882	5,842	4,107	567	12,035
From May 1, 1882, to April 30, 1883	5,991	4,423	606	12,174
From May 1, 1883, to April 30, 1884	6,152	4,780	531	14,241
From May 1, 1884, to April 30, 1885	6,072	4,831	676	12,006
<i>Carried forward</i>	80,551	66,508	11,441	186,199

	Patients examined for ad- mission.	Patients admitted.	Patients accident- ally injured.	Number of out- patients treated.
<i>Brought forward</i>	89,551	66,508	11,441	185,199
From May 1, 1885, to December 31, 1885 (8 mos.)...	2,965	3,229	562	8,271
From January 1, 1886, to December 31, 1886.....	6,086	5,046	757	12,733
From January 1, 1887, to December 31, 1887.....	6,082	5,577	790	13,124
From January 1, 1888, to December 31, 1888.....	7,406	5,875	709	13,383
From January 1, 1889, to December 31, 1889.....	8,274	6,157	888	18,605
From January 1, 1890, to December 31, 1890.....	8,101	6,473	1,079	12,983
From January 1, 1891, to January 31, 1892 (13 mos.)	10,507	7,494	1,331	15,560
From February 1, 1892, to January 31, 1893.....	9,961	7,787	1,459	14,485
From February 1, 1893, to January 31, 1894.....	10,803	8,292	1,496	15,592
From February 1, 1894, to January 31, 1895.....	11,617	8,064	1,401	18,073
From February 1, 1895, to January 31, 1896.....	11,589	7,956	1,469	17,740
Totals	184,542	138,458	23,381	340,748

NUMBER OF PATIENTS TREATED EACH YEAR, AND RATE OF MORTALITY.

	No. of Patients Treated.	Died.	Rate of Mortality.
1864, 7 months, ending Dec. 31	475	47	.099
1865, year ending Dec. 31	1,167	97	.083
1866, " " "	1,549	123	.080
1867, " " "	1,697	146	.086
1868, " " "	2,219	163	.073
1870, 16 months, ending April 30,	3,235	246	.076
1871, year ending April 30	2,569	215	.083
1872, " " "	3,054	247	.080
1873, " " "	2,527	351	.099
1874, " " "	3,435	282	.082
1875, " " "	3,662	91	.079
1876, " " "	3,421	290	.084
1877, " " "	3,843	287	.074
1878, " " "	4,434	311	.071
1879, " " "	4,631	347	.074
1880, " " "	4,298	401	.093
1881, " " "	4,708	421	.089
1882, " " "	4,382	415	.094
1883, " " "	4,702	473	.100

	No. of Patients Treated.	Died.	Rate of Mortality.
1884, year ending April 30	5,061	476	.094
1885, " " " "	5,167	513	.094
1885, 8 months, ending Dec. 31	3,550	363	.102
1886, year ending Dec. 31	5,368	603	.110
1887, " " " "	5,937	623	.104
1888, " " " "	6,227	772	.123
1889, " " " "	6,502	804	.123
1890, " " " "	6,853	752	.109
1891, 13 months, ending Jan. 31,			
1892	7,910	852	.107
1892-3, year ending Jan. 31, 1893,	8,236	958	.116
1893-4, " " " " 1894,	8,763	1,153	.131
1894-5, " " " " 1895,	8,599	1,060	.123
1895-6, " " " " 1896,	8,439	881	.104

Patients admitted to the hospital :

Medical services	3,206
Surgical services	3,222
Contagious service	850
Ophthalmic service	100
Aural service	75
Gynæcological service	503
Total	7,956

Patients who visited the hospital for advice and treatment
in the out-patient departments :

Medical diseases	3,377
Surgical diseases	7,341
Diseases of the eye	1,661
Diseases of the ear	584
Diseases of the skin	941
Diseases of women	681
Diseases of the nervous system	543
Diseases of the throat	1,136
Surgical out-patients treated in the accident-rooms, and not included elsewhere	1,476
Total	17,740

NUMBER OF VISITS MADE BY OUT-PATIENTS TO HOSPITAL.

Year.	Month.	Medical.	Surgical.	Eye.	Ear.	Skin.	Women.	Nervous.	Throat.	Total.
1895	February.....	511	2,413	366	272	161	164	195	344	4,426
	March.....	526	2,960	341	328	176	204	247	391	5,413
	April.....	491	3,029	596	252	158	192	314	292	5,224
	May.....	445	3,186	528	158	208	187	300	317	5,327
	June.....	466	2,771	399	198	165	190	297	173	4,659
	July.....	488	3,746	509	167	181	168	293	243	5,795
	August.....	559	3,847	406	261	193	167	241	232	5,906
	September...	505	3,568	367	247	179	160	276	254	5,556
	October.....	652	3,867	403	206	167	228	242	239	6,004
	November....	580	3,670	368	207	154	219	214	297	5,709
	December....	468	3,277	344	157	149	231	180	315	5,121
	1896 January.....	520	3,232	354	251	167	136	234	286	5,180
		6,211	39,666	5,219	2,704	2,038	2,246	2,933	3,383	64,320

Surgical out patients treated in the accident-room, not classified elsewhere..... 1,476
Total..... 65,796

APPLICANTS EXAMINED FOR ADMISSION DURING THE YEAR.

Year.	Month.	Number examined.	Number admitted.	Number not admitted.
1895	February.....	1,001	730	271
	March.....	991	712	279
	April.....	977	721	256
	May.....	1,028	710	318
	June.....	1,026	708	323
	July.....	969	697	272
	August.....	1,097	744	353
	September.....	991	698	293
	October.....	869	559	310
	November.....	810	544	266
	December.....	875	551	324
	1896 January.....	955	587	368
	Total.....	11,599	7,956	3,633

APPLICANTS NOT ADMITTED DURING THE YEAR.

February 1, 1895, to January 31, 1896.

Cause of Rejection.	1895. February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	1896. January.	Total.
For want of accommodation,	45	49	65	93	70	51	94	58	68	57	93	121	544
Ditto, but admitted within three days.....	41	54	34	39	38	27	45	47	52	38	71	50	516
Self-rejected or deferred.....	43	45	30	45	50	46	42	30	38	29	27	26	461
Ditto, but admitted within three days.....	17	14	18	19	10	10	9	8	3	3	6	6	123
For want of sufficient information.....	20	24	10	27	23	20	30	27	20	21	13	31	275
Ditto, but admitted within three days.....	10	15	7	15	9	8	11	6	6	9	9	4	109
Referred to Out-Patient Departments.....	30	30	39	23	59	94	57	47	58	56	50	50	503
Referred to South Department.....									1	2	1	2	6
Non-resident.....	4	6	1			1	2	1	2	1			18
No claim.....	3	6	12	10	14	5	11	16	11	13	5	19	125
Chronic or incurable.....	10	17	7	12	14	5	8	5	4	4	6	17	109
Phthisis.....	4	6	5		3		8	6	10	11	9	9	71
Delirium tremens and alcoholism.....	13	7	5	8	4	5	7	9	5	5	6	9	83
Veneral.....	6	5	3	5	3	4	8	7	10	11	3	1	53
Pregnancy.....	4	2		2	1	3	4		4	1		2	23
Insane or mental.....	3	3	3		1	3		1	5	5	2	3	29
To other appropriate institutions.....	17	16	8	10	12	10	15	20	10	5	23	18	164
Miscellaneous.....	1				2		2	5	3	3			16
Total.....	271	279	256	315	323	272	363	293	310	266	324	368	3,633

RECORD OF AMBULANCE WORK.

IN BRINGING PATIENTS IN.

Trips to	1895 February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	1896. January.	Total.
Business centre.....	10	14	6	12	11	15	17	12	5	6	9	5	122
North End.....	23	32	17	25	13	17	26	15	17	19	19	24	247
West End.....	40	42	39	25	34	29	35	29	14	14	14	21	336
Back Bay.....	9	4	5	1	4	3	4	4	1	9	4	6	54
South End.....	65	62	83	58	56	53	65	82	54	41	46	58	723
Roxbury.....	43	30	38	49	47	41	39	34	39	24	30	41	455
Dorchester.....	12	9	15	19	13	12	23	21	12	10	16	15	177
South Boston.....	38	21	37	37	22	45	47	36	26	29	19	27	384
East Boston.....	11	7	10	9	11	11	25	12	13	13	7	7	136
Charlestown.....	17	11	15	17	18	13	22	11	11	11	16	16	178
Jamaica Plain.....	4	4	3	3	7	5	2	7	1	2	6	2	47
Brighton.....	2	9	8	9	7	1	8	8	3	2	2	7	66
Roslindale.....			2	5	5	6	3	1		1	1	3	30
Everett.....										1			1
Total trips in.....	274	245	278	269	248	251	317	275	196	182	189	232	2,956
Brought extra.....	4	3	5	3	1	9	7	10	1	1			44
Did not come.....	9	4	5	7	7	4	2	5	3	6	3	4	59
Patients brought.....	269	244	278	265	242	256	322	280	194	177	186	228	2,941

IN CARRYING PATIENTS OUT.

Trips to													
South Department.....							3	36					39
Convalescent Home....	13	13	14	9	5	6	3	8	5	8	7	10	101
Epidemic Hospital.....	3	5	7	11	7	8							41
Public Institutions.....	2	6	6	2	8	6	1	6	6	9	2		54
Patients' homes.....	7	3	7	9	9	15	7	2	3	3	1	1	67
Other hospitals.....	3	2	2	1	2	1	2	5	1	2	1	2	25
Total trips out.....	28	29	36	32	31	36	16	57	15	23	11	13	327
Carried extra.....	26	31	18	17	3	6	28	13	10	10	14	10	186
Patients carried.....	54	60	54	49	34	42	44	70	25	33	25	23	513

SUMMARIES.

Total number of trips.	302	274	314	301	279	287	338	332	211	205	200	245	3,283
Total patients transferred.....	323	304	332	314	276	298	366	350	219	210	211	251	3,454

RECORD OF COUPÉ WORK.

In bringing													
The physician.....	1	1		3	1	1			1		1	1	10
The surgeon.....	6	5	6	13	9	8	5	7	8	16	4	2	89
Total trips.....	7	6	6	16	10	9	5	7	9	16	5	3	99

EMPLOYMENT OF PATIENTS ADMITTED DURING THE YEAR.

MALES.			
Actors	3	<i>Brought forward</i>	937
Advertisers	3	Expressmen	26
Agents	32	Factory-operatives	21
Artists	6	Farmers	29
Auctioneer	1	Firemen	80
Baggage-master	1	Fishermen	13
Bakers	26	Florists	5
Barbers	51	Foremen	6
Bartenders	27	Freight-handlers	4
Belt-maker	1	Furniture-makers	2
Bill-posters	3	Furniture-packer	1
Blacksmiths	48	Furrier	1
Boarding-house keeper	1	Galvanizer	1
Boiler-makers	11	Gamblers	2
Bookbinders	14	Gardeners	16
Bookkeepers	23	Gas-fitters	4
Bootblacks	8	Gilders	4
Bottlers	10	Glass-blowers	2
Boxing-master	1	Glazier	1
Brakemen	12	Grocers	13
Brass-workers	5	Harness-makers	5
Brewers	12	Hatters	10
Bricklayers	16	Hostlers	50
Brokers	6	Hotel-keeper	1
Butchers	23	Ice-men	10
Butler	1	Inspectors	3
Cabinet-makers	15	Interpreter	1
Cadets	2	Iron-workers	14
Calker	1	Janitors	19
Carpenters	153	Jewellers	10
Carriage-builders	5	Junk-dealers	8
Cashiers	2	Justice of peace	1
Caterer	1	Knife-grinder	1
Cattlemen	7	Laborers	1,174
Chiropodists	2	Lathers	4
Cigar-makers	30	Laundrymen	14
Civil engineer	1	Lawyers	4
Clergymen	3	Lead-glaziers	3
Clerks	122	Leather-workers	2
Coachmen	20	Letter-carriers	6
Collectors	6	Linemen	7
Commercial travellers	5	Locksmiths	2
Compositors	6	Longshoremen	34
Conductors	16	Machinists	55
Confectioners	15	Marble-worker	1
Contractors	6	Market-man	1
Cooks	33	Masons	43
Coopers	8	Mechanics	15
Coppersmiths	2	Merchants	35
Curriers	11	Messengers	6
Decorator	1	Milkmen	5
Designer	1	Mill-men	3
Drivers	28	Miner	1
Druggists	10	Mineralogist	1
Electricians	11	Motormen	16
Elevator-boys	4	Moulders	3
Engineers	40	Movers	4
Engraver	1	Musicians	11
Errand boys	22	Newsboys	4
<i>Carried forward</i>	937	<i>Carried forward</i>	2,705

<i>Brought forward</i>	2,705	<i>Brought forward</i>	3,618
Nurses	26	Shipbuilders	2
Organ-builder	1	Shippers	10
Optician	1	Ship-riggers	2
Overseer	1	Shoemakers	51
Packers	5	Soldier	1
Painters	124	Steam-fitters	10
Paper-hangers	4	Stenographers	3
Paper-makers	2	Stevedores	7
Pavers	4	Stewards	9
Pedlers	59	Stonemasons	15
Physicians	26	Storekeepers	12
Photographers	3	Stovemaker	1
Piano-makers	9	Students	46
Piano-tuners	3	Supervisor	1
Plasterers	16	Surveyor	1
Plumbers	23	Tailors	84
Polishers	15	Teachers	5
Police-officers	12	Teamsters	231
Porters	23	Telegraph operators	2
Pressmen	8	Tinsmiths	10
Printers	22	Treasurer	1
Publisher	1	Umbrella mender	1
Quarryman	1	Undertakers	4
Railroad-men	9	Upholsterers	16
Reporters	4	Waiters	66
Roofers	14	Watchmen	9
Rope-makers	2	Watchmakers	3
Rubber-worker	1	Weavers	4
Salesmen	26	Wheelwright	1
Scene-shifters	3	Whitewashers	3
Scholars	379	Wireworker	1
Seamen	79	Woodworkers	13
Sea-captains	3	Not classified	385
Servants	3	No occupation	103
Sheriff, deputy	1		
<i>Carried forward</i>	3,618	Total	4,731

FEMALES.

<i>Brought forward</i>	2,155
Actresses	5
Agents	3
Artist	1
Bookbinders	2
Bookkeeper	1
Carpet weaver	1
Cashiers	2
Chambermaids	10
Clerks	32
Companions	3
Compositor	1
Confectioner	1
Cooks	89
Domestics	1,038
Dressmakers	105
Factory operatives	16
Glove-maker	1
Governess	1
Hairdresser	1
Housekeepers	70
Housewives	731
Laundresses	40
Matron	1
<i>Carried forward</i>	2,155
Milliners	3
Musicians	2
Nurses	113
Nursery maids	3
Physician	1
Saleswomen	11
Seamstresses	27
Scholars	298
Shopgirls	4
Stenographers	4
Stewardesses	2
Tailoresses	30
Teachers	4
Telegraph operator	1
Typesetters	3
Typewriter	1
Vocalist	1
Waitresses	76
Wardmaids	12
Not classified	368
No. occupation	106
Total	3,225

NATIVITY OF PATIENTS ADMITTED DURING THE YEAR.

Boston	1,798	<i>Brought forward</i>	7,846
Other towns in Massachusetts	670	Belgium	7
Maine	272	Roumania	7
New Hampshire	100	Turkey	7
Vermont	65	Greece	6
Rhode Island	40	Finland	6
Connecticut	55	Hungary	5
District of Columbia	11	Switzerland	5
Middle Atlantic States	312	Wales	4
Central States	57	Bohemia	4
Southern States	75	Western Islands	4
Pacific States	7	Australia	3
British Provinces	935	Holland	3
Ireland	1,825	Asia	2
England	325	Azores	2
Russia	266	Japan	2
Italy	221	New Mexico	2
Germany	198	Spain	2
Sweden	123	Gibraltar	2
Scotland	110	Arabia	2
Norway	39	South America	1
Poland	28	Africa	1
Denmark	26	Prussia	1
West Indies	22	Island of Jersey	1
France	19	Syria	1
Austria	16	Mexico	1
China	12	Malta	1
Armenia	11	At Sea	2
Portugal	8	Unknown	226
<i>Carried forward</i>	7,646	Total	7,956

AGES OF PATIENTS ADMITTED DURING THE YEAR.

MALES.		FEMALES.	
Under 12 months	20	Under 12 months	34
From 1 to 5 years	222	From 1 to 5 years	186
“ 5 to 10 “	245	“ 5 to 10 “	203
“ 10 to 20 “	427	“ 10 to 20 “	352
“ 20 to 30 “	1,264	“ 20 to 30 “	996
“ 30 to 40 “	1,026	“ 30 to 40 “	587
“ 40 to 50 “	714	“ 40 to 50 “	405
“ 50 to 60 “	406	“ 50 to 60 “	252
“ 60 to 70 “	288	“ 60 to 70 “	128
“ 70 to 80 “	82	“ 70 to 80 “	45
“ 80 to 90 “	14	“ 80 to 90 “	7
“ 90 to 100 “	1	Unknown	50
Unknown	72	Total	3,225
Total	4,731		

CIVIL CONDITION OF PATIENTS ADMITTED DURING THE YEAR.

MALES.		FEMALES.	
Married	1,513	Married	1,198
Single	2,700	Single	1,544
Widowers	398	Widows	436
Unknown	120	Unknown	47
Total	4,731	Total	3,225

CONDITION OF PATIENTS DISCHARGED DURING THE YEAR.

Well.....	2,004	Died	881
Relieved	4,650	Eloped	8
Not relieved.....	338		
Not treated.....	106	Total	7,987

SOUTH DEPARTMENT.

APPLICANTS EXAMINED FOR ADMISSION DURING FIVE MONTHS, FROM SEPTEMBER 1, 1895, TO JANUARY 31, 1896, INCLUSIVE.

Year.	Month.	Number examined.	Number admitted.	Number not admitted.
1895	September.....	159	187	2
	October	228	216	12
	November.....	273	254	19
	December	268	245	23
1896	January.....	251	237	14
	Total.....	1,209	1,139	70

APPLICANTS NOT ADMITTED DURING FIVE MONTHS.

Cause of Rejection.	1895. September.	October.	November.	December.	1896. January.	Total.
No infectious disease.....	2	11	17	15	10	55
Self-rejected		1	2	8	4	15
Total	2	12	19	23	14	70

RECORD OF AMBULANCE WORK — BRINGING PATIENTS IN DURING FIVE MONTHS.

	1895.				1896.	Total.
	Sept.	Oct.	Nov.	Dec.	Jan.	
Business centre.....	4	16	24	27	12	83
North End.....	3	8	9	12	10	42
West End.....	7	22	17	11	15	72
Back Bay.....		1	2	6	7	16
South End.....	10	41	36	22	44	153
Roxbury.....	13	15	23	25	28	104
Dorchester.....	2	6	14	15	10	47
South Boston.....	4	4	13	11	10	42
East Boston.....	4	13	19	13	4	53
Charlestown.....	1	12	13	7	6	39
Jamaica Plain.....		3	2	5	11	21
Brighton.....	1	5	6	9	9	30
Roslindale.....		1	8	3	2	14
Neponset.....	1		1	4		6
Milton.....	1					1
Mattapan.....	1			3		4
Somerville.....		1				1
Allston.....				4	3	7
Total trips in.....	52	148	187	177	171	735
Did not come.....			9	2	2	18
Patients brought.....	52	148	178	175	169	722

EMPLOYMENT OF PATIENTS ADMITTED DURING FIVE MONTHS.

MALES.

Blacksmiths.....	3	Brought forward.....	251
Bookbinders.....	2	Printers.....	2
Bookkeepers.....	2	Scholars.....	203
Clerks.....	11	Steamfitters.....	2
Children.....	220	Stonecutters.....	2
Hostlers.....	2	Students.....	7
Laborers.....	6	Teamsters.....	5
Machinists.....	3	Not classified.....	50
Physicians.....	2		
Carried forward.....	251	Total.....	522

FEMALES.

Children.....	248	Brought forward.....	351
Domestics.....	42	School children.....	213
Factory girls.....	2	Seamstresses.....	2
Housekeepers.....	4	Teachers.....	2
Housewives.....	28	Waitresses.....	3
Laundresses.....	2	Wardmaids.....	3
Nurses.....	22	Not classified.....	43
Saleswomen.....	3		
Carried forward.....	351	Total.....	617

NATIVITY OF PATIENTS ADMITTED DURING FIVE MONTHS.

Boston	666	<i>Brought forward</i>	1,029
Other towns in Massachusetts.	109	Russia	83
Maine	29	England	21
New Hampshire	16	Germany	10
Vermont	12	Sweden	7
Rhode Island	4	Scotland	6
Connecticut	6	Italy	5
District of Columbia	2	Denmark	3
Middle Atlantic States	35	Holland	3
Central States	11	Austria	2
Southern States	8	Norway	2
Pacific States	3	West Indies	1
British Provinces	89	Unknown	17
Ireland	39		
<i>Carried forward</i>	1,029	Total	1,189

AGES OF PATIENTS ADMITTED DURING FIVE MONTHS.

MALES.		FEMALES.	
Under 12 months	4	Under 12 months	4
From 1 to 5 years	173	From 1 to 5 years	189
“ 5 to 10 “	201	“ 5 to 10 “	215
“ 10 to 20 “	92	“ 10 to 20 “	94
“ 20 to 30 “	42	“ 20 to 30 “	79
“ 30 to 40 “	6	“ 30 to 40 “	23
“ 40 to 50 “	4	“ 40 to 50 “	7
		“ 50 to 60 “	6
Total	522	Total	617

CIVIL CONDITION OF PATIENTS ADMITTED DURING FIVE MONTHS.

MALES.		FEMALES.	
Married	16	Married	38
Single	504	Single	573
Widowers	1	Widows	6
Unknown	1		
Total	522	Total	617

CONDITION OF PATIENTS DISCHARGED DURING FIVE MONTHS.

Well	773
Relieved	6
Not treated	38
Died	120
Total	937

Table No. 1. Hospital Department.
DISBURSEMENTS ACCORDING TO VARIOUS SUBDIVISIONS.

	The Boston City Hospital.	Settlement Account.	Epidemic Hospital. 7 months.	South De- partment. 3 months.	Out-Patient Depart- ment.	Convales- cent Home.	New Buildings.	Totals.
Subsistence Supplies.....	\$74,043 98	.....	\$1,377 16	\$4,880 15	.....	\$2,881 56	.....	\$83,752 85
Fuel.....	12,151 85	.....	26 09	1,301 09	\$915 14	326 40	.....	14,720 57
Medical Supplies.....	21,050 85	.....	147 47	1,475 68	8,402 71	513 37	.....	26,560 08
Salaries and Labor.....	76,263 22	\$1,000 00	1,723 18	11,068 33	2,446 00	2,238 96	.....	95,239 69
Buildings.....	10,501 53	.....	.....	.....	101 14	90 19	.....	10,692 85
Grounds.....	472 59	.....	.....	60 40	.....	275 03	.....	808 02
Ice.....	1,809 19	.....	26 75	167 28	.....	73 02	.....	2,076 24
Water.....	2,853 70	.....	.....	105 30	100 00	97 00	.....	3,216 00
Gas.....	3,707 55	.....	239 00	404 95	197 54	80 75	.....	4,629 79
Soap, Cleansing Stuffs, Matches, etc.....	1,389 74	.....	26 27	195 80	66 96	56 59	.....	1,735 36
Furniture, Furnishings, and Fixtures.....	6,720 04	.....	48 58	.....	192 12	192 38	.....	7,153 12
Rugs and Bedding.....	3,465 20	.....	29 30	569 49	.....	.....	.....	4,563 99
Dry Goods and Clothing.....	3,272 26	.....	100 56	1,033 89	.....	50 15	.....	4,458 86
Medical Library.....	833 77	.....	.....	.....	.....	.....	.....	833 77
Hospital Photography.....	290 38	.....	.....	.....	.....	.....	.....	290 38
Pathological Laboratory.....	134 54	.....	.....	.....	.....	.....	.....	134 54
Stationery, Printing, and Advertising.....	3,121 94	85 28	15 11	1,327 41	216 84	60 14	.....	4,826 72
Transportation.....	189 60	.....	.....	.....	.....	75 52	.....	265 12
Telephone and Telegraph.....	1,624 46	.....	88 56	346 36	7 73	162 90	.....	2,230 10
Laundry.....	818 17	.....	.....	358 53	.....	.....	.....	1,176 70
Stable and Ambulance.....	2,254 08	.....	215 93	614 28	.....	.....	.....	2,984 89
Barn and Live Stock.....	1,510 16	.....	.....	.....	.....	361 56	.....	3,381 56
Training School for Nurses, including Rentals.....	50 00	.....	.....	.....	.....	.....	.....	1,910 16
Claims awarded.....	213 93	.....	.....	380 89	.....	.....	.....	50 00
Incidentals.....	.....	.....	6 00	.....	.....	9 84	.....	610 66
Boiler-House.....	.....	.....	.....	.....	.....	.....	\$983 33	983 33
Pathological Building.....	.....	.....	.....	.....	.....	.....	280 03	280 03
Pathological Building, Furnishing.....	.....	.....	.....	.....	.....	.....	1,880 51	1,880 51
Completion of New Buildings.....	.....	.....	.....	4,196 26	.....	.....	227 50	4,423 76
New Furniture, Furnishing, etc.....	.....	.....	.....	2,067 66	.....	.....	.....	2,067 66
Totals.....	\$229,663 33	\$1,685 25	\$4,070 05	\$30,455 75	\$7,706 18	\$7,485 96	\$3,351 37	\$284,417 92

Table No. 2.
DISBURSEMENTS FROM FEBRUARY 1, 1895, TO JANUARY 31,
1896, INCLUSIVE.
HOSPITAL PROPER.

ARTICLES.	Quantity.	Cost.	Average Price.
SUBSISTENCE SUPPLIES.			
Beef and Veal.....	145,124 lbs.	\$15,030 54	.103 per lb.
Mutton and Lamb.....	56,495 "	5,282 23	.090 "
Poultry	57,632 "	7,655 31	.132 "
Pork and Hams.....	17,379 "	1,736 63	.099 "
Lard.....	3,919 "	301 54	.076 "
Butter	26,437 "	5,997 08	.226 "
Cheese.....	1,320 "	190 95	.145 "
Eggs.....	21,481 doz.	4,419 96	.205 per doz.
Vegetables, fresh		3,435 12	
Vegetables, canned		667 07	
Fish		2,492 75	
Groceries		1,264 24	
Flour	732 bbls.	2,600 91	3.55 per bbl.
Milk	43,434 cans.	14,586 31	.335 per can.
Fruit, fresh		2,156 66	
Fruit, canned		1,004 53	
Graham Flour	41 bbls.	165 32	4.03 per bbl.
Oatmeal	94 "	344 80	3.66 "
Cornstarch and Farina	4,366 lbs.	150 75	.034 per lb.
Rice	3,071 "	127 45	.041 "
Other Cereals, etc.		604 08	
Coffee	5,166 lbs.	1,295 80	.250 "
Tea	3,593 "	826 61	.230 "
Chocolate and Cocoa.....	579 "	162 81	.315 "
Sugar.....	45,823 "	2,018 16	.043 "
Molasses and Syrup.....	424 galls.	130 38	.307 per gal.
Total		\$74,663 98	
FUEL.			
Coal	\$11,616 28	2,566 ¹⁹⁶⁵ ₂₂₄₀ tons.	\$4.52 per ton.
Wood and Charcoal.....	176 00		
		11,792 28	
MEDICAL SUPPLIES.			
Surgical Appliances	\$408 49		
Carried forward	\$408 49	\$36,456 26	

HOSPITAL DEPARTMENT.

35

DISBURSEMENTS FROM FEBRUARY 1, 1895, TO JANUARY 31, 1896. — *Continued.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$408 49	\$86,456 28
MEDICAL SUPPLIES. — <i>Continued.</i>		
Medicine and Drugs	3,094 60	
Surgical Instruments	827 47	
Druggists' Sundries	522 23	
Flaxseed Meal.....	372 06	
Alcohol	492 21	
Liquors.....	3,908 19	
Malt Liquors and Mineral Waters.....	660 06	
Surgical Dressings.....	86 01	
Bandage and Compress Materials.....	2,336 64	
Gauze.....	4,212 03	
Absorbent Cotton, etc.....	455 43	
Oakum	21 00	
Oxygen Gas	68 25	
Sulphuric Ether.....	1,764 27	
Antitoxin.....	1,177 70	
Pathological Laboratory	1,130 48	
		21,538 22
SALARIES AND LABOR.		
Salaries and Labor.....	\$73,784 34	73,784 34
BUILDINGS.		
General Repairs	\$4,751 38	
Boilers and Heating Apparatus	824 39	
Plumbing	3,309 41	
Drains and Sewers.....	260 35	
Fire-Escapes (new).....	1,256 00	
Laundry.....	818 17	
House-cleaning (annual).....	1,813 60	
		13,133 20
GROUNDS.		
Grounds.....	\$472 59	472 59
GENERAL SUPPLIES.		
Ice, $723 \frac{1335}{2000}$ tons.....	\$1,809 19	
Water, 2,382,500 ft.	2,863 70	
Gas	3,707 55	
Kerosene, Matches, Candles, etc.....	79 16	
Soap and Cleaning Stuffs	1,271 38	
Furniture.....	1,504 19	
<i>Carried forward</i>	\$11,225 17	\$196,384 61

DISBURSEMENTS FROM FEBRUARY 1, 1895, TO JANUARY 31, 1896. — *Continued.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$11,225 17	\$193,384 61
GENERAL SUPPLIES. — <i>Continued.</i>		
Furnishing	4,775 67	
Fixtures	428 79	
Bedsteads	336 65	
Mattresses.....	736 37	
Bedding	2,892 18	
Dry Goods	2,199 21	
Clothing for Patients	1,005 65	
Medical Library	265 21	
Printing	1,036 09	
Annual Reports	240 18	
Medical and Surgical Reports.....	577 96	
Stationery	1,119 28	
Advertising Proposals, etc.....	145 00	
Telephone Rentals	\$499 50	
Telephone System, Addition to	749 50	
Electrical Appliances	271 99	
Telephone and Messenger Service.....	103 57	
	1,024 46	
Stable and Ambulance	1,408 73	
Hay, Straw, and Grain	772 08	
Stable Supplies.....	153 41	
Transportation	189 60	
Cooking-School	131 86	
Training-School for Nurses	309 80	
Nurses' Homes, including Rentals	1,368 50	
Claims Awarded	50 00	
Expense incurred in Card Cataloguing Clinical Records, etc.	782 56	
Incidentals not otherwise classified	213 93	
Hospital Photography	290 38	
Expense incurred in ascertaining Settlement of Patients,	1,685 28	
		35,964 00
Total Expenditures in maintaining the Hospital Proper for the Year ending January 31, 1896.....		\$231,348 61
EPIDEMIC HOSPITAL.		
Salaries and Labor	\$1,723 18	
Subsistence Supplies	1,377 16	
<i>Carried forward</i>	\$3,100 34	\$231,348 61

HOSPITAL DEPARTMENT.

37

DISBURSEMENTS FROM FEBRUARY 1, 1895, TO JANUARY 31, 1896, INC. — *Cont.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$3,100 34	\$231,348 61
EPIDEMIC HOSPITAL. — <i>Continued.</i>		
Ice	26 75	
Coal	26 09	
Gas	239 00	
Kerosene, Matches, Soap, etc.....	26 27	
Furniture and Furnishing	48 58	
Clothing for Patients	100 56	
Beds and Bedding.....	29 30	
Telephone Rentals and Electric Repairs	88 65	
Medicine and Medical Supplies	147 47	
Ambulance Service	215 93	
Stationery	15 11	
Incidentals	6 00	
		4,070 05
Total Expenditures in maintaining the Hospital and Epidemic Hospital for the Year ending January 31, 1896.....	.	\$235,418 66
SOUTH DEPARTMENT.		
Subsistence Supplies	\$4,880 15	
Ice	167 28	
Water	105 30	
Gas.....	404 95	
Kerosene, Matches, Soap, etc.	195 80	
Furniture.....	770 90	
Furnishing	1,053 91	
Beds and Bedding.....	560 49	
Dry Goods and Clothing	1,035 89	
Printing and Stationery	1,327 41	
Telephone Rentals	42 55	
Telephone System, Additions to	297 50	
Telegraph and Messengers	6 31	
Ambulance Station	514 28	
Laundry.....	155 53	
Fixtures	242 85	
Incidentals	380 89	
Coal	1,294 09	
Charcoal.....	7 00	
Medicine and Drugs	434 45	
<i>Carried forward</i>	\$14,089 58	\$235,418 66

DISBURSEMENTS FROM FEBRUARY 1, 1895, TO JANUARY 31, 1896, INC. — *Cont.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$14,089 53	\$235,415 66
SOUTH DEPARTMENT. — <i>Continued.</i>		
Druggists' Sundries	93 45	
Surgical Instruments	150 18	
Surgical Dressings and Supplies	300 97	
Alcohol	150 16	
Liquors	286 47	
Salaries and Labor	11,068 33	
Completing Buildings	2,021 68	
Bollers and Steam-heating	1,910 94	
Plumbing and Painting	263 64	
Grounds	60 40	
		30,455 75
Total Expenditures in maintaining Hospital Proper for Year, Epidemic Hospital (seven months), and South Department (five months)		\$265,874 41
OUT-PATIENT DEPARTMENTS.		
Wages	\$2,446 00	
Coal	916 14	
Gas	197 54	
Water, 123,000 feet	160 00	
Surgical Dressings and Supplies	2,998 76	
Surgical Instruments and Batteries	403 95	
Printing and Stationery	216 84	
Furnishings	192 12	
Bollers and Steam Heating	101 14	
Kerosene, Matches, Soap, etc.	66 96	
Telephone Repairs	7 73	
		7,706 18
CONVALESCENT HOME.		
Salaries and Labor	\$2,238 96	
Subsistence Supplies	2,831 56	
Coal	325 40	
Gas	80 75	
Kerosene, Matches, Soap, etc.	56 59	
Water (59,000 feet)	97 60	
Ice	73 02	
Furniture and Furnishing	192 38	
Dry Goods	50 15	
Printing and Stationery	60 14	
<i>Carried forward</i>	\$6,007 55	\$273,580 59

HOSPITAL DEPARTMENT.

39

DISBURSEMENTS FROM FEBRUARY 1, 1895, TO JANUARY 31, 1896, INC. — *Cont.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$6,007 55	\$273,580 59
Telephone Rentals and Electric Repairs	162 90	
Drugs and Medical Supplies	493 37	
Liquors	20 00	
Repairs to Buildings	90 19	
Care of Grounds	275 03	
Barn and Live Stock	331 56	
Freight and Express	75 52	
Incidentals	9 84	
		7,485 96
NEW BUILDINGS.		
Boiler House	\$963 33	
Pathological Building	250 03	
Pathological Furnishing	1,880 51	
Completion of Buildings	227 50	
		3,351 37
Total expenditures for all purposes		\$284,417 92
<i>Stock on Hand February 1, 1895.</i>		
General Supplies	\$3,394 22	
Medical Supplies	2,328 47	
Liquors	493 52	
		6,216 21
Total expenditures for all purposes		\$290,634 13
DEDUCT.		
<i>Stock on Hand February 1, 1896.</i>		
General Supplies	\$5,617 14	
Medical Supplies	2,115 67	
Liquors	398 40	
		\$8,131 21
SOUTH DEPARTMENT.		
General Supplies	\$3,989 64	
Medical Supplies	619 89	
Liquors	67 60	
		4,677 13
Fire-Escapes	\$1,336 00	
Claim awarded	50 00	
Printing Medical and Surgical Reports	577 96	
Expenses incurred in ascertaining Settlement of Patients	1,685 28	
Expenses incurred in card cataloguing Clinical Records, etc.	782 56	
Installing New Telephone System	749 50	
		5,201 30
<i>Carried forward</i>	\$18,000 64	\$290,634 13

DISBURSEMENTS FROM FEBRUARY 1, 1895, TO JANUARY 31, 1896, INC. — *Concl.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$18,009 64	\$290,634 13
Out-Patient Departments	7,706 18	
Convalescent Home	7,485 96	
New Buildings	3,351 37	
Income from Paying Patients	\$54,933 59	
Interest from Trust Funds	1,400 00	
Sale of Old Material	389 85	
	56,723 44	93,276 59
Net cost to the City for maintaining Hospital for year and South Department for 5 months		197,357 54
DEDUCT.		
Expenditures, South Department (5 months)	\$30,456 75	
Less Stock on hand February 1, 1896	4,677 13	
Maintaining South Department 5 months		25,778 62
Net cost to the City for maintaining Hospital proper from February 1, 1895, to January 31, 1896, inclusive		\$171,578 92

Table No. 3.

RÉSUMÉ OF FINANCES FOR THE YEAR.

Total expenditures for Hospital Department .	\$284,417 92
Stock on hand February 1, 1895	6,216 21
	<u>\$290,634 13</u>

DEDUCT.

Fire-escapes	\$1,356 00
New Telephone System	749 50
Claims awarded	50 00
Printing Medical and Surgical Reports	577 96
Expenses of Settlement Account	1,685 28
Expenses Cataloguing Clinical Records	782 56
Maintaining South Department (5 months)	25,778 62
Maintaining Out-Patient Departments	7,706 18
Maintaining Convalescent Home	7,485 96
New Buildings	3,351 37

<i>Carried forward,</i>	\$49,523 43	\$290,634 13
-------------------------	-------------	--------------

<i>Brought forward,</i>	\$49,523 43	\$290,634 13
Stock on hand February 1, 1896,		
Hospital proper	8,131 21	
Stock on hand February 1, 1896,		
South Department	4,677 13	
Income from all sources	56,723 44	
	<hr/>	119,055 21
<i>Net cost to the City for maintaining Hospital proper</i>		<hr/> \$171,578 92

The foregoing table of disbursements shows that the total expenditures of the Hospital Department during the fiscal year, February 1, 1895, to January 31, 1896, inclusive, were \$284,417.92. An attempt has been made to show the money disbursed in the several subdivisions of the Hospital Department. These tables are more than usually complicated, for the following reasons: the City Council annually apportions a fixed appropriation for the maintenance of the Hospital Department as a whole, and does not recognize any subdivisions. While the disbursements might be indicated in a general way, the matter of hospital expenditures has become one of special study, and to enable comparisons with other similar institutions a division of the disbursements must be made according to the various purposes for which the money is expended. During the last year The Boston City Hospital has disbursed its appropriation in the following way: for the Hospital proper for twelve months; for the Epidemic Hospital for seven months; for the South Department for infectious diseases for five months; for the Out-Patient Department and the Convalescent Home, each for twelve months; and sundry disbursements incident to the construction of the new buildings which were paid from the annual appropriation for maintenance. As will be shown in greater detail elsewhere, the Hospital Department has received considerable sums of money for the construction of new buildings, notably for the South Department, which is a hospital complete in itself for the treatment of infectious diseases, except for the boiler-house and ambulance station. At the beginning of the fiscal year the Epidemic Hospital was occupied as an attached ward for scarlet-fever patients, and was maintained for seven months, from February 1st to September 1st. The new South Department was opened on the 31st of August, and has been maintained out of the Hospital appropriation for five months. At this time the Epidemic Hospital was abandoned for our use. An attempt has been made to deduct the actual expenditures for running

the Out-Patient Department, which obviously should not be charged to the cost of the ward beds. The Convalescent Home has been continued as usual. Extraordinary expenditures were involved by the addition of new buildings, and there was paid from our regular hospital maintenance appropriation \$9,615 29. It has been impossible, in many items of expenditure, to take from the Hospital proper, items which are chargeable to other divisions of the Hospital Department, notably in labor and numerous articles of small cost which in the aggregate would amount to a considerable sum. Therefore the amount shown in the tables as the amount expended for maintaining the Hospital proper is presumably somewhat larger than it would be if it had been maintained independently of any sub-departments.

The sum of \$284,417.92, expended by the Hospital Department, has been divided as follows:

Hospital proper	\$229,663 33
Settlement account	1,685 28
Epidemic Hospital (7 months)	4,070 05
South Department (5 months)	30,455 75
Out-Patient Departments	7,706 18
Convalescent Home	7,485 96
New buildings	3,351 37

A study of table No. 1 will indicate the various expenditures under each subdivision, and also shows the totals for each item of expenditure for the departments, such as fuel, salaries and labor, water, gas, etc.

Epidemic Hospital. — The expenditures upon this department (\$4,070.05) were not large, and were almost entirely for actual living expenditures for seven months.

South Department. — The South Department began with eleven patients, and was gradually increased during the five months until the maximum number on one day was 213. No elaborate attempt is made in this report to classify the various subdivisions, as the expenditures were for a part of the year. The total expended upon this department was \$30,455.75. This amount includes \$6,263.92 on account of new furniture, furnishings, fixtures, and completion of buildings; deducting this amount (obviously not for maintenance) and also the stock on hand at close of year from the total expenditures, we have a balance of \$19,514.70, which more properly represents the maintenance expenses of this department for five months.

Out-Patient Department. — The expenditures for this

department have been largely for medical supplies, the total amount being \$7,706.18.

Convalescent Home. — The expenditures for the Convalescent Home have been for the usual purposes, and have been \$7,485.96, as against \$8,115.20 for the previous year.

New Buildings. — There has been spent from the hospital appropriation necessary to complete buildings as follows :

Boiler-house	\$963 33
Pathological building	280 03
Pathological laboratories (furnishing)	1,880 51
For completing and furnishing new buildings	6,491 42
Total	<hr/> \$9,615 29

The expenditures for the Hospital proper were partly for ordinary maintenance and partly for improvements or special subdivisions. The *résumé* of the disbursement tables on pages 40-1 indicates the total expenditures for the Hospital Department for the year, which were \$284,417.92. After deducting the maintenance of the various sub-departments and money spent for new or special purposes not within the ordinary scope of maintenance of the ward beds, and after allowing for the stock on hand at the beginning and close of the year, the net cost to the city for maintaining the Hospital proper was \$171,578.92.

The tables further show that the actual cost of maintaining the Hospital proper for the fiscal year was \$228,302.36. This sum was expended upon the care of 8,439 patients in the wards for 163,680 days' board, or 23,383 weeks, making an average weekly cost of \$9.76, or a daily cost of \$1.40 per hospital patient of all classes, against \$10.06 weekly for the previous year. This total cost of maintenance and weekly cost per patient represents the items of hospital statistics usually given in hospital finances. The weekly cost per patient as usually computed in hospital reports is \$9.76, but the net cost to the city was only \$7.33. It is the practice of some hospitals to compute the weekly cost not upon the number of patients treated, but the number of persons of all classes living in the hospital, in addition to the ward patients. This practice is obviously misleading and does not fairly represent the weekly cost per patient. In considering the cost of subsistence supplies, however, it is fair that, in addition to the cost of patients, the subsistence expended upon officers, house doctors, nurses, and employés of all grades should be included. The total expenditure upon subsistence supplies for *the Hospital proper and Epidemic Hospital* was \$76,041.14, and the total number of weeks' board of an aver-

age of 758 persons was 39,524. This will give a weekly cost per person, for subsistence supplies, of \$1.92, or 27 cents per day.

There has been collected and paid into the city treasury during the year \$54,933.59 on account of the board of all classes of paying patients, as follows:

From State cases	\$31,077 60
From town and city cases	6,833 60
From private and ward paying patients	16,396 40
From South Department	625 99
Total	<u>\$54,933 59</u>

There has been received \$1,400 interest from trust funds for the support of free beds, and \$389.85 from the sale of old materials. These sums, amounting to \$56,723.44, were paid in cash to the city treasury, and should be credited to the appropriation received. This would reduce the net cost to the city for the Hospital Department for all purposes during the fiscal year, to the sum of \$171,578.92.

The expenditures upon 17,740 out-patients has been \$7,706.18.

Statistics of the number of out-patients, the number of their visits, the rates of mortality, the work of the ambulances, the occupation, nativity, ages, civil condition and physical condition of patients when discharged, are elsewhere tabulated, and may prove of interest in connection with hospital data.

The maximum number of patients on any one day was 533 as against 540 last year; the minimum number was 373, against 375 last year; the daily average during the year was $448\frac{43}{100}$, against $462\frac{54}{100}$ last year. The average length of stay was $19\frac{39}{100}$ days, against $19\frac{63}{100}$ last year.

The total expenditures for the Convalescent Home have been \$7,485.96. The benefits of the Home have been given to 414 persons, who have received in all 8,395 days' board, or 1,199 weeks, at a weekly average cost of \$6.24 per patient.

The total number of deaths from February 1, 1895, to January 31, 1896, was 881. This does not include the statistics of the South Department for five months.

Of the deaths, there occurred within forty-

eight hours of admission	337 or .040
From diphtheria alone (7 months)	111 or .013
From all other causes	433 or .051
Total	<u>881 or .104</u>

the rate of mortality for the year ending January 31, 1896.

The percentage of deaths given is for the total number of patients treated in the hospital.

Of all patients admitted, 337 died within forty-eight hours after admission, which indicated that they were brought to the hospital in a dying condition, and medical aid could not change the result. It will further be noticed that this number is 43 per cent. of those who died from all causes, except diphtheria.

During the year 8,439 patients have been treated in the wards, 17,740 as out-patients, and 414 at the Convalescent Home, — a total of 26,593 who have received the benefits of the hospital in all departments.

During the year 11,589 persons applied for admission. Of this number, 7,956 were admitted and 3,633 were rejected, the latter number being 80 more than last year. The number rejected was 31 per cent. of all persons applying. The causes of rejection appear in the table of applicants not admitted, on page 25. Of the number not admitted, 461 either changed their minds or were deferred. Of this number, however, 123 were admitted within three days after application. There were also rejected 844 solely for want of vacant beds, but 516 were admitted within three days. There were 603 patients who could be treated in the various out-patient departments, without the additional cost of treating them in the wards. Admission was denied to 275, because sufficient information could not be obtained to indicate that they were cases suitable for admission. There were transferred to other and more appropriate institutions 164, and there were 109 rejected as clearly incurable and unsuitable for treatment. Various other lesser causes for rejection appear in the tabulated form.

On page 26 will be found a record of the ambulance work, showing the number of patients brought to and carried from the hospital. The total number of patients transported was 3,454, and the coupé was sent for surgeons and physicians 99 times. The number of accident cases received was 1,469.

**TABULAR FORM SHOWING COMPARATIVE STATISTICS IN
MOVEMENT OF PATIENTS, ETC.**

	1887.	1888.	1889.	1890.	1891.	1892-3.	1893-4.	1894-5.	1895-6.
Applicants for admission.....	6,682	7,406	8,274	8,101	9,666	9,961	10,803	11,617	11,589
Patients admitted...	5,577	5,875	6,157	6,473	6,896	7,787	8,292	8,064	7,956
Patients treated.....	5,937	6,227	6,502	6,853	7,312	8,236	8,763	8,599	8,439
Patients treated, South Department, 5 months.....									1,139
Out-patients treated,	14,318	14,625	14,894	14,258	14,536	16,027	15,592	18,073	17,740
Patients at Conva- lescent Home.....				32	407	357	452	431	414
Total patients treated...	20,255	20,853	21,396	21,111	22,255	24,650	24,807	27,103	27,732
Maximum number on any one day...	392	441	428	432	484	515	549	540	533
Minimum number on any one day...	300	320	327	320	351	349	390	375	373
Daily average in wards.....	354	378	370	384	416	433	457	462	448
Average stay in days.....	21.76	22.21	21.00	20.46	20.76	19.24	19.05	19.63	19.39
Accident cases re- ceived.....	790	709	888	1,079	1,233	1,459	1,495	1,401	1,469
Patients carried in ambulances.....		1,044	1,321	1,457	1,925	2,207	2,735	3,092	3,454
Number of deaths ..	623	772	804	752	761	958	1,163	1,060	831
Number of deaths, South Department, 5 months.....									120
Visits of out-patients	48,524	46,083	49,593	50,123	51,395	54,658	57,758	63,642	65,796
Number of patients rejected.....	1,103	1,331	2,117	1,628	2,770	2,174	2,511	3,553	3,633

COMPARATIVE STATISTICS DURING LAST FIVE YEARS.

	1891.	1892-3.	1893-4.	1894-5.	1895-6.	Per cent. dif. in 5 years.
Patients applying for admission.....	9,666	9,961	10,803	11,617	11,589	20% inc.
Total patients admitted,	6,896	7,787	8,292	8,064	7,956	15% inc.
Total patients treated ..	7,312	8,236	8,763	8,599	8,439	15% inc.
Total weeks' board.. ..	21,689	22,647	23,848	24,118	23,383	7% inc.
Maximum number on any one day.....	484	515	549	540	533	10% inc.
Daily average.....	416	433	457	462	448	8% inc.
Total expenditures.....	\$252,732 84	\$255,610 49	\$266,703 13	\$261,538 03	\$284,417 92	12% inc.
Net cost to city treas- ury.....	\$165,179 13	\$178,899 51	\$184,579 80	\$190,500 18	\$171,579 92	4% inc.

The foregoing tabular forms are inserted for reference, and also to show the comparative statistics of a large city hospital as to the number of applicants for admission, patients admitted and treated, maximum and minimum numbers on any one day, daily average in the wards, and other hospital statistics during the last nine years.

The capacity of the Hospital proper has been slightly decreased. Last year there were 500 beds. This year there are only 482 available. Four beds have been removed on account of the addition of the new operating building to Wards N and O, the rooms not being inhabitable on account of construction use. The remaining decrease is accounted for by the fact that Wards A and E, used during seven months in the year for infectious cases for children, have been changed from children's wards to adult wards, the number of beds now in use not being equal to the number of cribs during the first part of the year. While the number of beds is actually less, the Hospital proper is able to avail itself of fifty-six more beds for ordinary medical and surgical adult patients during the last half of the year than during the first half, for reasons explained.

There has been a decrease of 333 in the total number of out-patients treated, and an increase of 2,154 in the number of visits made by out-patients. Like all other divisions, the out-patient departments show extensive work. In its various departments, 17,740 were treated, against 18,073 last year. These patients have made 65,796 visits to the hospital, against 63,642 last year.

There has been an increase in the number of patients treated in the Medical, Eye, and Throat Departments, and a decrease in the Surgical, Ear, Skin, Women, Nervous System, and accident-room cases.

There has been an increase in the number of visits made by out-patients in the Medical and Surgical Departments, and a decrease in all the other departments.

During the last year, the sum of \$10,501.53 has been expended upon buildings and internal improvements, and \$472.59 upon grounds, including roads and sewers. By reason of the large increase in the territory of the hospital and the number of wards and buildings, it has been found difficult to conduct the work of the hospital with the despatch that the business demanded. Additional means of ready communication became imperative, and a complete telephone installation of seventy stations has been constructed. These house telephones have been placed in every desirable part of the entire Hospital Department, with a central switchboard in the executive office. Ready

communication is thus established at all hours of the day and night, and has greatly increased the facilities for the prompt despatch of the hospital work. The demand upon the public telephone has been so great that it has been found necessary to put in an additional telephone to communicate with the telephone districts. The new work incident to this improvement has cost \$1,097, with an additional expense of \$527 for telephone rentals and other charges not included in the contract for house telephones.

We have been able to tear out two systems of plumbing in Pavilions I and II, Wards B, C and D, and F, G and H, and put in new plumbing at a cost of \$2,655.

Other than the above improvements, the repairs have been only those that have been made necessary upon the roofs of the various buildings and the drains.

When Wards A and E were vacated — which had been for several years in constant use for infectious diseases — they were allowed to lie idle for four months. The wards were then subjected to a most thorough sterilization by means of chlorine gas. Much of the plumbing and woodwork was torn out and renewed by new and improved construction. The wards were thoroughly kalsomined, whitewashed, and painted in every part. Although the wards have been in use for several months, no case of infectious disease has appeared, either among the patients, nurses, or working force. These latter improvements were made at an expenditure of \$1,027.75.

Many repairs that still remained to be done were not completed during the year, on account of the uncertainty attending the appropriation, and the probable amount of money necessary to run the new South Department, which was included within our general hospital appropriation. The want of these repairs will become all the more conspicuous on account of the improved method of construction in the new buildings, which join the buildings of older construction; and the Superintendent recommends that a considerable sum of money be reserved during the coming year for this purpose.

The Superintendent again calls the attention of the Trustees to the necessity of a radical reconstruction of Wards K and L, which have been so long used for isolating special cases, and which have been crowded at all seasons for many years.

The statistics for the Convalescent Home, which has just passed its fifth year, are as follows :

Number of patients in Home at the beginning of the year, January 31, 1895	26
Admitted during the year	388
Total treated during the year	414
Discharged during the year	388
Died during the year	0
Total discharged	388
Number remaining in Home January 31, 1896	26
Largest number on any one day	33
Smallest number on any one day	12
Daily average number of patients	23
Average length of stay, in days	21

The daily average at the Home was 23. The weekly cost per patient this year has been \$6.24.

The ambulance system has been much improved. Two additional ambulances have been purchased, all the ambulances have been furnished with rubber tires and odometers, and four additional runners have been purchased, so that in mid-winter it is possible to use five ambulances and the coupé on sleigh-runners. This obviates the great strain upon the ambulance service in the long runs during the season when the streets are obstructed with snow. The ambulance service has been further improved by additional equipments, an addition in the number of men at the station, and in the methods of doing the work. There are now six ambulances in perfect order, and equipped in the most efficient manner.

The medical library has increased during the year by 131 volumes, 54 being by purchase and 77 by donation. The total number of volumes at the close of the year was 3,134. In addition to this, the library has received 575 periodicals and 430 pamphlets.

The work upon the card catalogue of clinical-case books has been continued, and there are now 120,665 cards of reference and cross reference. These references are for the entire hospital services during the last fourteen years, except the surgical services, which include eighteen years. This card catalogue has now grown to such proportions that it is extremely valuable as a help to the scientific study of the various classes of cases treated.

The small ward libraries which were placed in the various wards during the last year have proved their great usefulness. In many cases the volumes have been entirely worn out, and have been replaced by new books. While fiction, humor, and biography are most largely used, many of the books of more serious and scholarly character indicate that

they have found readers who have appreciated them. I consider this one of the best methods of providing patients with reading, including the free use of odd volumes of illustrated magazines, of which there are always many in each ward.

The Training School for Nurses has finished its eighteenth year. The changes in the school during the last year have been as follows :

SUMMARY FROM FEBRUARY 1, 1895, TO FEBRUARY 1, 1896.

February 1, 1895, the number of nurses was . . . 96

During the year nurses have left as follows :

Have been graduated	32	
Graduate head-nurses resigned	8	
Pupils dropped for various causes	11	
Probationers not accepted	13	
By promotion	1	
Total vacancies	<u>65</u>	
Number remaining		31
Graduates retained as head-nurses	12	
Probationers admitted	74	
Pupil nurses re-admitted	5	
Graduate special employed	1	
	<u>92</u>	
Remaining January 31, 1896		<u>123</u>

Nurses connected with the school, in the Hospital proper, February 1, 1896 :

Assistant Superintendents of Nurses	3	
Graduate head-nurses	10	
Senior pupils acting head-nurses	8	
Senior assistant nurses	22	
Junior assistant nurses	23	
Probation nurses	20	
Graduate special nurse	1	
	<u>87</u>	

In the South Department, February 1, 1896 :

Day Supervisor of Nurses	1	
Night Supervisor of Nurses	1	
Graduate head-nurses	4	
Assistant graduate nurses	1	
Senior assistant nurses	7	
Junior assistant nurses	20	
	<u>34</u>	
Graduates at the Convalescent Home		2
Total		<u>123</u>

The Training School has graduated during the year thirty-two nurses, a total of 406 since the formation of the school. The Superintendent of Nurses and her assistants have given 269 class recitations. The school has received thirty-six lectures on Friday afternoons from members of the Medical and Surgical Staff and others. Eighty-two classes in massage have been conducted by Mrs. Bertha J. Raemisch. The course of instruction in cooking has been in charge of Miss Mary A. Boland. Each nurse has received a larger number of lessons in cooking than in previous years, and more hours have been devoted to each lesson. Twenty-eight lessons have been given in classes of ten pupils each, in Invalid Cookery. The entire course of instruction will be found on page 158 and the distribution of studies on page 159.

There has been a notable increase in the number of nurses during the last year. At the beginning of the year there were 96, and at the end of the year 123, or 27 more than last year. This increase has been demanded by the opening of the new South Department for infectious diseases. Nurses who were formerly assigned for an average of three months' service in the contagious wards of the hospital are now sent to the South Department for an equal term of study and work. We have been obliged to fill their places with probation nurses, the total for the year being 74. This has more or less disturbed the usual routine of the school, as it placed a larger number of inexperienced nurses in the general wards. This, however, is not likely to occur again to so large an extent for many years.

The number of books in the general library at the		
Nurses' Home at the beginning of the year was	.	585
Additions	.	13
		<hr/>
In library February 1, 1896	.	598
Number of text-books at beginning of year		239
Old books deducted	.	19
		<hr/>
		220
Additions	.	6
		<hr/>
In library February 1, 1896	.	226

The regular meetings of the Nurses' Club have been continued on the first Tuesday in each month from November to June. The following topics have been considered: An address by Dr. Rowe on "Leading Hospitals in America and

Abroad," illustrated by stereopticon views; lecture by Dr. Wright on "Bacteria," illustrated by stereopticon views; "Samaritan Associations," their history, by Miss S. Jennie Dudley, and on their organization, by Mrs. Abby L. Stone; papers and discussion on the question "Is it advisable for graduates holding diplomas from training schools for nurses to be called graduate nurses instead of trained nurses?" A lecture by Dr. McCollom, of the South Department, on "Diphtheria and the Use of Antitoxin;" a review of some topics in nursing, as "The Moral Influence of Trained Nurses in Hospitals;" "Nursing Settlements;" "Echoes from the Superintendents' Convention;" "The Comforts of Nurses."

The Boston City Hospital Medical Society has continued its monthly meetings in the Medical Library. The attendance has been on the increase, and much interest has been manifested.

The past year has been a notable one on account of the completion and opening of the South Department, and the continued demand upon the general wards for beds. It has been previously shown that the number of applicants has been large, while the number of beds, until the very last of the year, has been smaller. The large amount of work incident to the completion, opening, and furnishing of the South Department has made great demands upon the executive department. The removal of the patients with infectious diseases from the general wards of the hospital is regarded as a happy improvement in the health and service of the general hospital, and will conduce much to relieve the friction and difficulties which have been so urgently dwelt upon in previous reports.

In presenting this, my seventeenth annual report to the Trustees, I tender to them my grateful acknowledgments for their renewed confidence and many official favors.

I have the honor to be,

Your obedient servant,

G. H. M. ROWE, M.D.,

Superintendent and Resident Physician.

MEDICAL AND SURGICAL STATISTICS.

MEDICAL DISEASES.

Classified according to the Nomenclature of Diseases, as published by the Royal College of Physicians of London, and American Medical Association.

From February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	In Hospital Feb 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total	
ACUTE GENERAL INFECTIOUS FEVERS.											
Typhoid Fever	8	213	108	316	230	21	3	.....	42	296	28
Typhoid Fever, Relapse .....	.....	.....	1	1	..	.....	.....	.....	.....	.....	1
Diphtheria.....	.....	3	6	8	.....	1	7	.....	.....	8	.....
Diphtheria and Measles.....	.....	2	1	3	.....	2	1	.....	.....	3	.....
Diphtheritic Sequelæ .....	.....	2	2	4	2	2	.....	.....	.....	4	.....
Scarlet Fever .....	.....	1	1	2	.....	.....	2	.....	.....	2	.....
Measles.....	2	12	28	40	33	8	1	...	.....	42	.....
Pertussis (Whooping-cough) .....	.....	1	1	2	.....	2	.....	.....	.....	2	.....
Varicella .....	.....	.....	1	1	1	.....	.....	.....	.....	1	.....
Erysipelas (Simple)	1	41	33	74	57	5	1	.....	2	65	10
Erysipelas (Phlegmonous).....	.....	.....	1	1	.....	.....	.....	.....	1	1	.....
Intermittent Malarial Fever.....	.....	42	11	53	17	34	2	.....	.....	53	.....
Quotidian.....	.....	3	1	4	2	2	.....	.....	.....	4	.....
Tertian .....	.....	31	11	42	32	10	.....	.....	.....	42	.....
Aestivo-Autumnal .....	.....	6	.....	6	4	2	.....	.....	.....	6	.....
Irregular .....	.....	1	.....	1	1	.....	.....	.....	.....	1	.....
Influenza	5	32	19	51	33	21	2	.....	.....	56	.....
Febricula .....	.....	8	5	13	11	1	.....	.....	.....	12	1
Septicæmia .....	.....	2	6	8	1	1	2	.....	4	8	.....
Trismus .....	.....	1	.....	1	.....	.....	.....	.....	1	1	.....
Carried forward.....	16	401	230	631	424	112	21	...	50	607	40

MEDICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total	
<i>Brought forward.....</i>	16	401	230	631	424	112	21	.....	50	607	40
Ephemeral Fever.....	.....	1	.....	1	1	.....	.....	.....	.....	1	.....
Gonorrhœa.....	.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Septic Arthritis.....	.....	1	.....	1	.....	1	.....	.....	.....	1	.....
DIATHETIC DISEASES AND DISEASES OF NUTRITION.											
Tuberculosis (see Special Organs)	1	1	2	3	.....	3	.....	.....	1	4	.....
Acute Articular Rheumatism.....	8	150	85	235	93	123	2	.....	.....	220	23
Subacute Articular Rheumatism.....	2	14	6	20	1	18	.....	.....	.....	19	3
Chronic Articular Rheumatism.....	.....	9	5	14	.....	9	.....	.....	.....	9	5
Gonorrhœal Rheumatism.....	2	20	.....	20	1	18	2	.....	.....	21	1
Muscular Rheumatism.....	.....	8	3	11	.....	10	.....	.....	.....	10	1
Lumbago.....	1	8	2	10	6	4	.....	.....	.....	10	1
Rheumatoid Arthritis.....	.....	3	3	6	.....	4	2	.....	.....	6	.....
Acute Gout.....	1	1	.....	1	.....	2	.....	.....	.....	2	.....
Chronic Gout.....	.....	.....	1	1	.....	1	.....	.....	.....	1	.....
Diabetes Mellitus.....	.....	8	2	10	.....	3	1	.....	5	9	1
Syphilis:											
Primary.....	.....	9	4	13	.....	8	2	.....	1	11	2
Secondary.....	.....	7	5	12	.....	11	1	.....	.....	12	.....
Tertiary.....	1	12	7	19	.....	14	4	.....	1	19	1
Hereditary.....	.....	1	.....	1	.....	.....	1	.....	.....	1	.....
Purpura Hæmorrhagica.....	1	.....	1	1	.....	2	.....	.....	.....	2	.....
DISEASES OF THE RESPIRATORY SYSTEM.											
OF THE PHARYNX.											
Acute Pharyngitis.....	.....	1	.....	1	1	.....	.....	.....	.....	1	.....
OF THE TONSILS.											
Acute Tonsillitis.....	1	14	17	31	24	3	1	.....	.....	28	4
Quincy.....	1	7	5	12	8	4	.....	.....	.....	12	1
OF THE LARYNX.											
Acute Laryngitis.....	.....	4	5	9	2	7	.....	.....	.....	9	.....
Chronic Laryngitis.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	1
<i>Carried forward.....</i>	35	681	384	1065	561	360	37	.....	58	1010	54

MEDICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	36	681	384	1065	501	360	37	....	58	1016	84
Tubercular Laryngitis .....	....	1	....	1	....	....	1	....	....	1	....
Syphilitic Laryngitis .....	....	....	1	1	....	....	....	....	....	....	1
Spasm of the Larynx .....	....	1	....	1	....	....	....	....	1	1	....
Carcinoma.....	....	1	....	1	....	1	....	....	....	1	....
Atrophy.....	....	....	1	1	....	1	....	....	....	1	....
OF THE BRONCHI.											
Acute Bronchitis	5	33	29	67	26	40	1	....	....	67	5
Chronic Bronchitis	1	16	10	26	1	17	1	....	....	19	8
Capillary Bronchitis.....	....	1	....	1	1	....	....	....	....	1	....
Asthma .....	....	11	11	22	3	18	....	....	....	21	1
Bronchiectasis .....	....	2	....	2	....	....	....	....	1	1	1
OF THE LUNG.											
Croupous Pneumonia.....	27	264	64	328	145	67	...	1	124	337	18
Broncho-Pneumonia.....	....	11	2	13	2	6	....	....	3	11	2
Pleuro-Pneumonia .....	....	1	....	1	1	....	....	....	....	1	....
Chronic Tuberculosis.....	14	119	64	183	....	117	24	....	48	189	8
Acute Miliary Tuberculosis.....	....	9	3	12	....	....	....	....	11	11	1
Hæmoptysis	2	9	4	13	2	12	1	....	....	15	....
Abscess .....	....	4	2	6	....	2	2	....	2	6	....
Gangrene. ....	....	2	....	2	....	....	....	....	2	2	....
Oedema .....	....	1	....	1	....	....	....	....	1	1	....
Fibroid Phthisis	1	....	....	....	....	1	....	....	....	1	....
Carcinoma .....	....	1	1	2	....	....	....	....	2	2	....
Perforation by Rib ...	....	1	....	1	....	....	....	....	1	1	....
Tubercular Pneumonia .....	....	1	....	1	....	....	....	....	1	1	....
OF THE PLEURA.											
Pleurisy	3	3	4	7	2	7	....	....	1	10	....
Dry	4	16	3	19	9	10	1	....	....	20	3
Sero-fibrinous ..	4	48	15	63	10	47	1	....	3	61	6
Purulent (Empyæma) ..	....	3	3	6	....	2	4	....	....	6	....
Hydrothorax .....	....	....	1	1	....	....	....	....	1	1	....
<i>Carried forward</i>	96	1245	602	1847	763	708	73	1	260	1805	138

MEDICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	96	1245	602	1847	763	708	73	1	260	1805	138
Hæmothorax		1		1					1	1	
Pneumothorax		1		1					1	1	
DISEASES OF THE CIRCULATORY SYSTEM.											
OF THE HEART AND ITS MEMBRANES.											
Acute Pericarditis	2	7	2	9		8			3	11	
Acute Endocarditis			2	2		1			1	2	
Septic Endocarditis	1		2	2					3	3	
Chronic Myocarditis		4		4		4				4	
Mitral Incompetence	4	22	25	47		39	2		8	49	2
Mitral Stenosis		4	8	12		10	1		1	12	
Aortic Incompetence		7	10	17		10	2		4	16	1
Combined Valvular Disease		7	3	10		8			1	9	1
Dilatation	3	9	2	11		7			7	14	
Aneurism	1	1		1		1			1	2	
Angina Pectoris		1	1	2		2				2	
Cardiac		4	1	5		3			2	5	
Palpitation		1		1		1				1	
Purulent Pericarditis		1		1					1	1	
OF THE BLOOD-VESSELS.											
Arterio-sclerosis		27	4	31		13			17	30	1
Aortic Aneurism		1		1		1				1	
Subclavian Aneurism		1		1					1	1	
Venous Thrombosis		1		1		1				1	
Varicose Veins			1	1		1				1	
Phlebitis		2	1	3	1		2			3	
Carotid Aneurism			1	1		1				1	
OF THE BLOOD.											
Anaemia	3	3	20	23	2	20			1	23	3
Chlorosis		5		5		5				5	
Pernicious Anaemia		5	3	8		1	1		5	7	1
Leukaemia		3		3					2	2	1
<i>Carried forward</i>	110	1363	688	2051	766	845	81	1	320	2013	148

MEDICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1895.
		Males.	Females	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total	
<i>Brought forward</i>	110	1363	688	2051	766	845	81	1	320	2013	146
Pseudo-Leukaemia.....		2		2		1			1	2	
DISEASES OF THE LIVER, BILE-DUCTS AND PORTAL VEIN.											
Chronic Hyperaemia.....		1		1		1				1	
Perihepatitis.....		1		1	1					1	
Acute Localized Hepatitis.....		2	1	3		1	1		1	3	
Chronic Interstitial Hepatitis (Cir- rhosis).....		21	7	28		18	3		6	27	1
Catarrhal Jaundice.....	1	6	3	9	2	7	1			10	
Hydatid Cysts.....		1		1			1			1	
Gall-stones.....		2		2		1			1	2	
Cancer.....		2	3	5		1	1		2	4	1
Hepatic.....		1		1		1				1	
DISEASES OF THE THYROID.											
Goitre.....			1	1			1			1	
Exophthalmic Goitre.....			3	3					2	2	1
Myxœdema.....			1	1		1				1	
DISEASES OF THE DIGESTIVE ORGANS.											
Stomatitis.....		2	1	3		3				3	
Parasitic (Thrush).....		1		1		1				1	
Carcinoma of Cheek.....		1		1			1			1	
OF THE STOMACH.											
Acute Gastric Catarrh.....	2	27	24	51	14	33	3			50	3
Chronic Gastric Catarrh.....	1	7	13	20	1	14	1	1		17	4
Ulcer.....	3	6	13	19	1	14			4	19	3
Cancer.....	1	5	6	11		3	1		8	12	
Dilatation.....		1		1		1				1	
Gastrodynia.....		2	1	3	1	2				3	
Gastro-duodenitis.....		3	4	7	2	4				6	1
Hæmatemesis.....		1		1		1				1	
Gastro-enteritis.....		9	5	14	9	5				14	
Persistent Vomiting.....			3	3		2	1			3	
Dyspepsia.....		1		1	1					1	
<i>Carried forward</i>	118	1468	777	2245	798	960	96	2	345	2201	162

MEDICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	118	1468	777	2245	798	960	96	2	345	2201	162
OF THE INTESTINES.											
Catarrhal Enteritis.....	1	16	24	40	25	8	.....	2	4	30	2
Habitual Constipation.....	1	12	24	36	18	16	.....	1	.....	35	2
Dysentery		13	2	15	7	4	.....	.....	4	15	.....
Appendicitis.....		13	4	19	4	6	7	1	1	19	.....
Perforating Ulcer of Duodenum.....			1	1	.....	1	.....	.....	.....	1	.....
Taenia.....			1	1	.....	1	.....	.....	.....	1	.....
Ascaris Lumbricoides			1	1	.....	1	.....	.....	.....	1	.....
Ulcer of Intestine.....		1	.....	1	.....	.....	1	.....	.....	1	.....
Colitis		4	1	5	3	2	.....	.....	.....	5	.....
Alcoholic Gastritis		4	1	5	2	3	.....	.....	.....	5	.....
Gangrene of Small Intestine.....		1	.....	1	.....	.....	.....	.....	1	1	.....
Inguinal Hernia .....			.....	1	.....	1	.....	.....	.....	1	.....
Malignant		2	.....	2	.....	.....	1	.....	1	2	.....
OF THE PERITONEUM.											
Acute Peritonitis.....			3	3	1	1	.....	.....	1	3	.....
Chronic Peritonitis.....			1	1	.....	1	.....	.....	.....	1	.....
Tubercular Peritonitis.....			3	3	.....	2	1	.....	.....	3	.....
DISEASES OF THE KIDNEY, PELVIS OF KIDNEY, AND BLADDER.											
Acute Parenchymatous Nephritis.....		8	7	15	3	9	.....	.....	1	13	2
Chronic Parenchymatous Nephritis...	1	3	2	5	.....	1	4	.....	1	6	.....
Chronic Interstitial Nephritis.....		12	2	14	.....	8	2	.....	4	14	.....
Chronic Diffuse Nephritis.....		20	9	29	.....	14	1	.....	8	23	6
Active Hyperaemia.....			1	1	.....	1	.....	.....	.....	1	.....
Pyo-Nephrosis (Surgical Kidney).....		1	1	2	1	.....	1	.....	.....	2	.....
Renal Colic....		2	.....	2	1	1	.....	.....	.....	2	.....
Uraemia		12	4	16	.....	1	1	.....	14	16	.....
Retention of Urine			1	1	.....	.....	1	.....	.....	1	.....
Acute Cystitis		1	4	5	1	2	.....	.....	.....	3	2
Chronic Cystitis		3	2	5	.....	2	1	.....	2	3	.....
Chronic Prostatitis.....		2	.....	2	.....	2	.....	.....	.....	2	.....
<i>Carried forward</i>	121	1601	876	2477	864	1048	117	6	387	2422	176

MEDICAL DISEASES.—Continued.

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	121	1601	876	2477	864	1048	117	6	387	2422	176
Movable Kidney			2	2		2				2	
Chronic Urethritis		1		1		1				1	
Polyuria		1		1	1					1	
Nephritis		1		1					1	1	
Perineal Abscess		1		1			1			1	
Dropy			1	1					1	1	
DISEASES OF THE NERVOUS SYSTEM.											
OF THE BRAIN.											
Purulent Meningitis		1	4	5			1		4	5	
Tubercular Meningitis		4	3	7					7	7	
Apoplexy	1	5	4	9		3	1		6	10	
Cerebral Hemorrhage		9	7	16	1	10			5	16	
Cerebral Embolism	1	1	1	2		1			2	3	
Cerebral Thrombosis		1	1	2					2	2	
Hemiplegia	1	9	8	17		12	1		4	17	1
Cerebral Concussion		1		1		1				1	
Insolation (Sunstroke)		7		7	4	1	1		1	7	
Tumor of the Brain			3	3		1	1		1	3	
Cerebral Syphilis	2	3	2	5		5	2			7	
Chronic Hydrocephalus			1	1			1			1	
Menière's Disease		1		1		1				1	
Fracture of Skull		1		1					1	1	
Hemicrania		1		1		1				1	
Monoplegia			1	1		1				1	
Ependymitis		1		1					1	1	
Cyst		1		1			1			1	
Subdural Hemorrhage		1		1							1
OF THE SPINAL CORD.											
Acute Leptomeningitis		1		1					1	1	
Acute Myelitis		2		2		2				2	
Chronic Myelitis	1	5	1	6		3	3			6	1
Locomotor Ataxia		4	5	9		6	2			8	1
<i>Carried forward</i>	127	1664	920	2584	870	1049	132	6	424	2531	180

MEDICAL DISEASES. — Continued.

DISEASES.	In Hospital Feb. 1, 1905.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1906.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	127	1664	920	2584	870	1099	132	6	424	2531	180
Spastic Spinal Paralysis		1		1				1		1	
Acute Ascending Spinal Paralysis		1		1					1	1	
Syringomyelia.....		1		1		1				1	
OF THE NERVES.											
Neuralgia.....	2	5	0	11	2	10				12	1
Hemicrania.....			1	1							1
Cephalgia			2	2		1				1	1
Pleurodynia		1		1		1				1	
Coccodynia.....		1	3	4	2	2				4	
Sclatica	1	15	8	23	4	18				22	2
Facial Paralysis		1	1	2		1				1	1
Post Diphtheritic.....			1	1			1			1	
Of Muscles of Shoulder.....		1		1		1				1	
Spasmodic Torticollis (Wry Neck).....			2	2		2				2	
Neuritis		1	4	5	2	3				5	
Simple Degenerative Neuritis.....		1		1			1			1	
Multiple Degenerative Neuritis	1	2	2	4		5				5	
Alcoholic Neuritis.....	4	8	10	18	1	14	3		1	19	3
Toxic Neuritis.....	1	1		1		2				2	
Post-febrile Neuritis.....		1	1	2	2					2	
Optic Neuritis		1		1			1			1	
NEUROSES.											
Epilepsy		16	9	25	1	21				25	
Hysteria.....	1	1	17	18	1	14	2			17	2
Chorea		1		1		1				1	
Tetanus (Puerperal).....			1	1	1					1	
Neuraesthesia	1	6	15	21		19	2			21	1
Hypochondriasis		2	1	3	1	2				3	
Hystero-epilepsy ..		1	3	4		3	1			4	
Persistent Hiccough		1		1		1				1	
<i>Carried forward</i>	138	1734	1007	2741	887	1224	143	7	426	2687	192

MEDICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1905.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1905.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	138	1734	1007	2741	887	1224	140	7	426	2687	192
DISEASES OF THE INTELLECT.											
Mania Acute.....		5	...	5	...	4	1	...	...	5	...
Dementia Acute.....		1	1	2	...	...	2	...	...	2	...
Dementia Chronic		2	3	5	...	2	3	...	...	5	...
Dementia Alcoholic		1	...	1	...	...	1	...	...	1	...
Melancholia		3	...	3	...	2	1	...	...	3	...
General Paralysis		7	...	7	...	4	2	...	1	7	...
Delirium Tremens.....		5	1	6	1	2	...	...	3	6	...
Delusional Insanity.....		5	1	6	...	3	3	...	...	6	...
Mental	1	1	1	2	...	1	2	...	...	3	...
DISEASES OF THE CELLULAR TISSUE.											
Obesity.....		1	2	3	...	1	2	...	...	3	...
DISEASES OF THE SKIN.											
Dermatitis Venenata.....		2	1	3	2	1	...	...	...	3	...
Dermatitis Calorica.....		1	...	1	1	...	...	...	...	1	...
Eczema		3	...	3	1	2	...	...	...	3	...
Dermatitis.....		2	1	3	3	...	...	...	...	3	...
Erythema Nodosum .....		...	1	1	...	1	...	...	...	1	...
Erythema Simplex.....		...	1	1	1	...	...	...	...	1	...
Herpes Zoster .....		...	1	1	...	1	...	...	...	1	...
Pemphigus		1	...	1	...	...	...	...	1	1	...
Pruritus .....		...	1	1	...	1	...	...	...	1	...
Psoriasis	1	...	2	2	...	2	1	...	...	3	...
Tinea Tricophytina.....		1	...	1	...	...	...	...	...	...	1
Urticaria		4	1	5	4	1	...	...	...	5	...
Multiple Sarcoma.....		1	...	1	...	...	...	...	1	1	...
POISONS.											
Alcohol (Alcoholismus)	5	94	36	130	54	64	4	1	9	132	3
Arsenic .....		...	3	3	...	...	...	...	3	3	...
Ammonia .....		...	1	1	1	...	...	...	...	1	...
Carbolic Acid.....		2	...	2	1	...	...	...	1	2	...
<i>Carried forward</i>	145	1876	1065	2941	956	1316	165	8	445	2890	196

MEDICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	145	1876	1065	2941	956	1316	164	8	445	2490	196
Chloral			1	1	1					1	
Coal Gas		3	1	4	2	1				3	1
Illuminating Gas		7	7	14	11	3				14	
Lead	1	17	1	18	6	13				18	1
Opium or Morphine		5	3	8	1	3			3	7	1
Opium Habit	1		6	6	1	4				5	2
Ten			1	1		1				1	
Rhus		1		1	1					1	
Potash		1		1	1					1	
Camphor			1	1	1					1	
Hydrochloric Acid		1		1	1					1	
Chloroform		2		2	1				1	2	
UNCLASSIFIED.											
Endometritis			4	4		4				4	
Vaginitis			1	1		1				1	
Laceration Uterus			1	1		1				1	
Alveolar Abscess		2		2		1	1			2	
Debility	5	48	86	134	29	101	4		1	135	4
Epistaxis		1	1	2	2					2	
Exhaustion		2		2	1		1			2	
Abscess Ankle		1		1			1			1	
Tumor of Neck		1		1		1				1	
Immersion		6	1	7	5	2				7	
Puerperal Septicæmia			2	2		1		1		2	
Melanotic Sarcoma	1						1			1	
Periostitis			2	2		1	1			2	
Uterine			7	7		3	4			7	
Ascites		1		1		1				1	
Malignerlug		2		2	2					2	
No Disease		5	1	6	5	1				6	
Ophthalmia		1		1		1				1	
<i>Carried forward</i>	153	1983	1102	3175	1026	1460	178	9	450	3123	203

MEDICAL DISEASES. — *Concluded.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	153	1983	1192	3175	1026	1460	178	9	450	3123	205
Otitis.....		1		1		1				1	
Specific Edema of Legs			1	1							1
Senility		3	1	4		2			2	4	
Tubercular Arthritis			4	4		3	1			4	
Synovitis		1	4	5	1	2	2			5	
Carcinoma of Abdomen.....			1	1		1				1	
Carcinoma of Uterus			2	2		1	1			2	
Pregnancy.....			3	3		3				3	
Pelvic Inflammation			2	2		1	1			2	
Sarcoma of Spine		1		1			1			1	
Congenital Abscess.....			1	1		1				1	
Cancer of Breast.....			1	1					1	1	
Cellulitis of Hand			1	1				1		1	
Osteoma of Femur			1	1							1
Diarrhoea.....			1	1	1					1	
Tubercular Adenitis.....			1	1							1
No Diagnosis.....			1	1					1	1	
Grand Totals	153	1989	1217	3206	1028	1475	184	10	454	3151	205

CONTAGIOUS SERVICE.

IN CHARGE OF THE VISITING PHYSICIANS AND SURGEONS.

From February 1 to September 31, 1895, ¹ inclusive.

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Transferred to So. Dept.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
Diphtheria.....	22	274	315	589	403	91	6	...	111	611	89
Diphtheria and Scarlet Fever	11	42	57	99	82	1	...	...	27	110	...
Diphtheria and Measles.....	...	2	4	6	4	...	...	...	2	6	...
Diphtheria, Scarlet Fever, Measles.....	...	3	4	7	3	1	...	...	3	7	...
Diphtheria of the Eye	1	1	1	...	...	...	...	1	...
Diphtheria and Pertussis.....	1	1	1	...	...	...	...	1	...
Scarlet Fever	48	39	45	84	100	20	1	...	11	132	21
Scarlet Fever and Measles	1	3	4	3	...	...	...	1	4	...
Scarlet Fever and Pneumonia.....	2	2	1	1	...	...	...	2	...
Measles.....	...	4	2	6	5	1	...	...	...	6	...
Tonsillitis.....	...	17	9	26	18	5	1	2	...	26	...
Peri-tonsillar Abscess	2	1	3	2	...	1	...	...	3	...
Cellulitis of Neck.....	...	1	...	1	...	...	1	...	...	1	...
Burn of Neck	1	1	...	1	...	...	...	1	...
Pharyngitis	1	2	3	3	...	...	...	...	3	...
Oedema of Glottis	1	...	1	...	...	...	...	1	1	...
Pneumonia	1	...	1	...	1	...	...	...	1	...
Phthisis	1	...	1	...	1	...	...	...	1	...
Pleurisy	1	1	...	...	1	...	...	1	...
Urticaria	1	...	1	...	...	...	...	1	1	...
Dermatitis.....	...	1	...	1	...	...	...	1	...	1	...
Syphilis	1	1	2	...	1	1	...	...	2	...
No Disease	7	2	9	9	...	...	...	...	9	...
Totals	81	399	451	850	635	124	12	3	157	931	110
OPERATIONS.											
Intubation	17	22	39	9	2	...	...	28	39	...
Tracheotomy	7	11	18	4	...	...	...	14	18	...
Intubation and Tracheotomy.....	...	4	6	10	1	...	...	...	9	10	...
Totals	28	39	67	14	2	...	...	51	67	...

^a 33 of Broncho Pneumonia.
10 of Septic.
6 of Extension.
1 of Lobar Pneumonia.
1 of Apnoea, blocking of tube.

¹ Date of transfer to South Department.

SURGICAL DISEASES.

From February 1, 1893, to January 31, 1896, inclusive.

DISEASES.	In Hospital Feb 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
GENERAL DISEASES.											
Erysipelas:											
Simple		21	13	36	2	26			3	31	5
Phlegmonous	1	1		1	1	1				2	
Commencing in Hospital.....			1	1		1				1	
Rheumatism:											
Acute		3	4	7		7				7	
Chronic.....			2	2		1	1			2	
Muscular		1		1		1				1	
Gangrene.....	1	4	2	6		4	1		2	7	
Senile	1	1		1		1			1	2	
Diabetic		2	1	3		2			1	3	
Following Thrombosis.....	1					1				1	
General Tuberculosis.....		5	2	7			1		6	7	
Syphilis:											
Primary			1	1		1				1	
Secondary		1	1	2		2				2	
Tertiary.....		2	1	3		1			1	2	1
Hereditary		1		1		1				1	
Malaria.....			1	1		1				1	
Pyæmia		1		1		1				1	
Typhoid Fever		2	3	5		2		3		5	
Diabetes.....		1		1					1	1	
Tetanus		1		1					1	1	
Streptococcal			1	1					1	1	
Pneumonia		1		1		1				1	
Carried forward.....	4	50	33	83	3	55	3	3	17	81	6

SURGICAL DISEASES. — Continued.

DISEASES.	In Hospital Feb. 7, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1895.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	4	50	33	83	3	55	3	3	17	81	6
MALIGNANT TUMORS.											
[See also Special Regions.]											
Cancer	1	3	4	7	.....	5	1	1	1	8	.....
Epithelial	16	6	22	1	20	.....	.....	.....	21	1
Osteo-sarcoma....	1	1	.....	1	.....	.....	.....	1	.....
Sarcoma	1	9	8	17	.....	12	2	1	3	18	.....
Melanotic.....	1	1	2	.....	1	.....	.....	1	2	.....
Multiple-sarcoma	1	.....	1	.....	1	.....	.....	.....	1	.....
NON-MALIGNANT TUMORS.											
[See also Special Regions.]											
Fibrous Tumor.....	1	1	2	.....	2	.....	.....	.....	2	.....
Neuroma	2	.....	2	.....	2	.....	.....	.....	2	.....
Lipoma.....	1	1	2	.....	2	.....	.....	.....	2	.....
Adenoma.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Lymphangioma.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Naevus	1	1	.....	1	.....	.....	.....	1	.....
Condyloma	2	.....	2	.....	2	.....	.....	.....	2	.....
Keloid.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Haematoma.....	3	.....	3	.....	2	.....	.....	.....	2	1
Simple Cysts	2	.....	2	.....	2	.....	.....	.....	2	.....
LOCAL DISEASES.											
DIGESTIVE SYSTEM.											
Stomatitis	3	3	.....	3	.....	.....	.....	3	.....
Gangrenous Stomatitis.....	1	1	2	.....	.....	.....	.....	.....	.....	2
Parotitis.....	1	1	.....	1	.....	.....	.....	1	.....
Alveolar Abscess.....	2	7	6	13	.....	14	.....	1	.....	15	.....
Glossitis.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Cancer of Tongue.....	2	.....	2	.....	2	.....	.....	.....	2	.....
Tumor of Tongue.....	1	.....	1	.....	.....	.....	.....	.....	.....	1
Enlarged Tonsils	3	2	5	.....	5	.....	.....	.....	5	.....
Peritonsillar Abscess.....	9	2	11	.....	11	.....	.....	.....	11	.....
Abscess of the Pharynx.....	1	.....	1	.....	1	.....	.....	.....	1	.....
<i>Carried forward</i>	8	119	71	190	4	149	6	6	22	187	11

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	8	119	71	190	4	149	6	6	22	187	11
Sublingual Cancer		1		1			1			1	
Cancer of Tonsil.....	2	1		1		2	1			3	
" " Buccal Mucous Membrane.....		1		1		1				1	
Stricture of the Oesophagus		3		3		1	1			2	1
Gastritis.....	1		1	1		2				2	
Foreign body in Pharynx			1	1			1			1	
Gastro-enteritis.....		3	1	4		4				4	
Cancer of the Stomach.....			3	3				2	1	3	
Stricture of the Cardia.....			1	1		1				1	
Flatulence		1		1		1				1	
Obstipation		2	1	3	1	2				3	
Intussusception.....		1		1					1	1	
Perityphlitis.....	1	1		1		2				2	
Appendicitis	7	79	40	119	10	87		1	20	118	3
Perforation of the Intestine...		1		1		1				1	
Obstruction of the Intestines.....		4	3	7		1			6	7	
" from Stricture.....			1	1		1				1	
" " twisting of the Intes- tines.....		1		1					1	1	
Cancer of Intestines.....		1	1	2					2	2	
" Omentum.....		1	3	4		1		1	2	4	
Hernia:											
Congenital	1				1					1	
Ventral.....			1	1		1				1	
Reducible	1		1	1		2				2	
Umbilical:											
Reducible			1	1				1		1	
Irreducible			2	2		2				2	
Strangulated.....			3	3		1			2	3	
Inguinal:											
Reducible.....		25	1	26		18	1	5		24	2
Irreducible		6		6		4			1	5	1
<i>Carried forward</i>	21	251	136	387	16	284	11	16	58	385	23

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	21	251	136	387	16	284	11	16	58	385	23
Inflamed		2		2		2				2	
Incarcerated		2		2		1			1	2	
Strangulated		9		9	1	5	1		2	9	
Femoral:											
Reducible		1	2	3		2				2	1
Irreducible			3	3	1	2				3	
Inflamed			1	1		1				1	
Incarcerated			1	1	1					1	
Strangulated			2	2	1	1				2	
Hemorrhage from the Rectum		1		1		1				1	
Stricture of the Rectum	1	2	3	5		4	1			5	1
Cancer of the Rectum	1	4	2	6		2			4	6	1
Prolapse Rectum	1					1				1	
Ischio Rectal Abscess		14	5	19		19				19	
Fistula in Ano	3	45	12	57		56		1	1	58	2
Hemorrhoids	1	27	6	33		24		3		27	7
Internal	4	25	12	37	3	36		2		41	
External	2	1	3	4		4		2		6	
Fissure of the Anus		1	1	2		2				2	
Prolapsus Ani	1	7	3	10		11				11	
Warts of the Anus		1		1		1				1	
Peritonitis		1	2	3	1	1			1	3	
Localized			1	1					1	1	
Acute		5	2	7		2		1	4	7	
Chronic			1	1		1				1	
Tubercular		2	3	5		3			2	5	
From perforation		1		1					1	1	
Abscess, Abdominal Parietes		1		1		1				1	
ABSORBENT SYSTEM.											
Inflammation of the Lymphatics	1	1		1		2				2	
Adenitis	4	10	6	16		20				20	
<i>Carried forward</i>	40	414	207	621	24	489	13	25	75	626	35

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	40	414	207	621	24	489	13	25	75	626	35
Syphilitic Bubo.....	1	....	1	1	....	2	....	....	....	2	....
Chancroidal Bubo.....	1	....	....	....	....	1	....	....	....	1	....
Gonorrheal Bubo.....	....	15	2	20	....	19	....	1	....	20	....
Scrofulous Glands.....	....	1	1	2	....	....	....	....	1	1	1
Cervical	1	25	14	39	2	33	....	....	1	36	4
Axillary.....	....	1	1	2	....	2	....	....	....	2	....
Carcinoma of Lymphatics.....	....	....	1	1	....	1	....	....	....	1	....
CIRCULATORY SYSTEM.											
Endocarditis, Chronic .....	....	2	1	3	....	2	....	....	1	3	....
Thrombosis .....	....	1	....	1	....	....	....	....	....	....	1
Embolism .....	....	....	1	1	....	....	....	....	1	1	....
Aneurism of Innominate.....	1	....	....	....	1	....	....	....	....	1	....
Aneurism of Aorta .....	....	1	....	1	....	....	....	....	....	....	1
Dissecting Aneurism .....	....	....	1	1	....	1	....	....	....	1	....
Traumatic Aneurism .....	....	1	....	1	....	....	....	....	1	1	....
Phlebitis.....	1	6	6	12	1	10	....	....	1	11	1
Varicose Veins .....	....	5	4	9	1	7	1	....	....	9	....
Vascular Navus.....	....	....	1	1	....	1	....	....	....	1	....
Ruptured Varix .....	....	....	1	1	....	1	....	....	....	1	....
RESPIRATORY SYSTEM.											
Laryngitis .....	....	1	1	2	....	2	....	....	....	2	....
Phthisis .....	....	3	....	3	....	2	....	....	1	3	....
Laryngeal Abscess.....	....	....	1	1	....	1	....	....	....	1	....
Tuberculosis .....	....	2	....	2	....	....	1	....	1	2	....
Cancer of Larynx .....	....	1	....	1	....	1	....	....	....	1	....
Emphysema .....	....	1	....	1	....	1	....	....	....	1	....
Abscess of the Lung .....	....	4	2	6	....	3	....	....	1	4	2
Pleurisy .....	....	1	....	1	....	....	....	1	....	1	....
Pneumonia .....	....	....	2	2	....	1	....	....	1	2	....
Empyema .....	....	17	4	21	....	13	....	....	7	20	1
SECRETORY SYSTEM.											
Salivary Fistula .....	....	1	....	1	....	1	....	....	....	1	....
<i>Carried forward</i>	46	506	252	758	29	594	15	27	92	767	46

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	45	506	252	758	29	594	16	27	92	757	46
Perihepatitis		1		1		1				1	
Abscess of the Liver		1		1		1				1	
Cancer of the Liver		2	2	4		1		1	2	4	
Hydatid Cyst of the Liver		1		1							1
Cirrhosis of Liver			3	3		2	1			3	
Biliary Calculi	1		2	2		3				3	
Obstruction of Hepatic Ducts			1	1		1				1	
Hepatic Colic		1		1		1				1	
Cancer of the Gall Bladder	1	2	2	4		3			2	5	
URINARY SYSTEM.											
Acute Nephritis			2	2		1		1		2	
Chronic Diffuse Nephritis		1		1					1	1	
Pyelitis		2	1	3	1	2				3	
Hydronephrosis		1		1							1
Pyonephrosis		1	5	6		3	2		1	6	
Perinephritic Abscess		3		3		3				3	
Tubercle of the Kidney		2	2	4		4				4	
Calculus of the Kidney			2	2		2				2	
Nephritic Colic		3	3	6		6				6	
Floating Kidney			4	4		3				3	1
Urinary Fistula		1	1	2		2				2	
Renal Hæmaturia		3		3		3				3	
Cystitis	3	9	1	10	1	9			2	12	1
Cancer of the Bladder		1	1	2		2				2	
Stone in the Bladder		1		1		1				1	
Vesical Hæmaturia		1	1	2		2				2	
Irritation of the Bladder		1		1							1
Retention of Urine		6		6		4			2	6	
Abscess of the Prostate Gland		2		2		2				2	
Hypertrophy of the Prostate Gland	3	31		31	1	23			9	33	1
Cancer of the Prostate Gland		1		1					1	1	
<i>Carried forward</i>	53	584	285	869	32	679	18	29	112	870	52

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	53	584	285	869	32	679	18	29	112	870	52
GONORRHOEA AND ITS COMPLICATIONS.											
Gonorrhœa	1	2	1	3		4				4	
Balanitis		2		2		2				2	
Phimosis		3		3		3				3	
Paraphimosis		3		3		3				3	
Gonorrhœal Bubo	1	22	1	23		19				19	5
Epididymitis	1	5		5		6				6	
Prostatitis		1		1		1				1	
Gonorrhœal Arthritis		8	1	9		9				9	
MALE URETHRA.											
Urethritis (simple)		1		1		1				1	
Stricture of the Urethra		14	1	15	1	12			2	15	
Organic	2	30		30		26		3	1	30	2
Traumatic		3		3		2				2	1
Traumatic Rupture		4		4		3				3	1
Urinary Abscess		6		6		5			1	6	
Urinary Fistula		2		2		2				2	
Extravasation of Urine	1	1		1		1			1	2	
SKIN.											
Erythema			2	2		2				2	
Eczema			1	1							1
Tinea Kerion		1		1		1				1	
Dermatitis		4		4		4				4	
Purpura Rheumatica			1	1		1				1	
Purpura Hemorrhagica		1		1					1	1	
Frostbite	2	11		11	1	10				11	2
Ulcer	6	31	25	56	2	55				57	5
Boil		2		2	1	1				2	
Carbuncle		6	1	7		5		1	1	7	
Malignant Pu-tule	1					1				1	
Whitlow			2	2		2				2	
<i>Carried forward</i>	69	744	321	1065	37	857	18	33	119	1064	69

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1893.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1900.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	68	744	321	1065	37	837	18	33	119	1064	69
Nævus.....		1		1		1				1	
Sebaceous Tumor	1	1		1		2				2	
Warts			1	1		1				1	
Fungus growth of Scalp.....		1		1		1				1	
Keloid.....		1		1		1				1	
Lupus		1	1	2		1				1	1
Ingrown Nail		9	3	12	1	11				12	
Clavus.....		1		1		1				1	
Pilonidal Sinus		2	1	3		3				3	
Wen		1		1		1				1	
Onychogryphosis			2	2		2				2	
Poisoning by Ivy		1		1		3				3	
CELLULAR TISSUE.											
Inflammation of the Cellular Tissue ..	4	64	18	82	1	70	1	1	3	76	10
Diffuse Inflammation of the Cellular Tissue.....		11		11		9	1		1	11	
Abcess of the Cellular Tissue		39	16	55	1	48	1	1	1	52	3
Ischio-rectal Abscess	1	19	6	25		24	1	1		26	
Palmar Abscess			1	1		1				1	
BLOOD, AND OF THE BLOOD-MAKING GLANDS.											
Septicæmia			1	1					1	1	
DUCTLESS GLANDS.											
Carcinoma of the Thyroid.....			1	1		1				1	
GENERATIVE ORGANS.											
Warts of the Penis.....		1		1							1
Phimosis		5		5		5				5	
Paraphimosis.....		3		3		3				3	
Gangrene of Penis.....		1		1					1	1	
Gangrene of the Scrotum.....		1		1							1
Maltormations of the Scrotum		1		1		1				1	
Hydrocele of the Spermatic Cord.....		1		1		1				1	
<i>Carried forward</i>	74	909	374	1283	40	1048	22	36	126	1272	85

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	74	900	374	1283	40	1048	22	36	126	1272	85
Hydrocele		4		4		4				4	
Acquired		4		4		2				2	2
Hæmatocele	1	5		5		6				6	
Varicocele.....	1	7		7		7		1		8	
Orchitis		3		3		3				3	
Acute.....		3		3		3				3	
Traumatic.....		3		3		3				3	
Epididymitis		13		13		11				11	2
Syphilitic Disease of the Testicle.....		2		2		2				2	
Tuberculous Disease of the Testicle ..	1	4		4		5				5	
Cystic Disease of the Testicle.....		1		1		1				1	
Sarcoma of Testicle		1		1		1				1	
Abcess of the Ovary.....			1	1		1				1	
Cancer of the Ovary.....			1	1		1				1	
Encysted Dropsy of the Ovary			2	2		2				2	
Complex Cystic Tumor	1		8	8	1	7		1		9	
Tubo-ovarian	1		3	3		3			1	4	
Dermoid Cyst of the Ovary.....			1	1		1				1	
Dislocation of the Ovary.....			2	2		2				2	
Abcess of the Fallopian Tube ...	2		10	10	1	6		1	2	10	2
Cyst of the Fallopian Tube	1		3	3		1	1		1	3	1
Tubercle of the Fallopian Tube... ..			1	1	1					1	
Pelvic Peritonitis.			9	9		4	2	3		9	
Pelvic Cellulitis.....			6	6		4	1	1		6	
Pelvic Abscess	1	1	4	5		4			2	6	
Peri-uterine Hæmatocele.....			4	4		3				3	1
Metritis			1	1		1				1	
Endometritis			1	1				1		1	
Endocervicitis			2	2	1	1				2	
Cancer of the Womb			3	3		1		1	1	3	
Adenoma of the Womb			1	1					1	1	
<i>Carried forward</i>	83	960	437	1397	44	1128	26	46	134	1387	98

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	83	960	437	1397	44	1138	26	45	134	1387	93
Non-malignant Tumors of the Womb:											
Fibroid Tumor	1		2	2		2		1		3	
Interstitial.....			2	2	1	1				2	
Displacements			2	2		1		1		2	
Vaginismus			1	1				1		1	
Cystocele			1	1				1		1	
Vulvitis			1	1	1					1	
Abcesses of the Labium.			4	4		4				4	
AFFECTIONS CONNECTED WITH PARTURITION.											
Laceration of the Uterus.....			1	1		1				1	
Laceration of the Vagina.			1	1		1				1	
Laceration of Perineum			2	2		1		1		2	
Pelvic Cellulitis			1	1		1				1	
Pelvic Abscess.			1	1		1				1	
FEMALE BREAST.											
Inflammation:											
Acute			1	1		1				1	
Abscess of the Breast	1		6	6		6				6	1
Sinus of the Breast.....			1	1							1
Cancer of the Breast.	1	1	30	31	3	18	2		2	26	6
Non malignant Tumors of the Breast.			5	5		5				5	
Cyst of the Breast.....			2	2		2				2	
Sarcoma of Breast.....			1	1		1				1	
NERVOUS SYSTEM.											
Encephalitis		1		1			1			1	
Tuberculous Meningitis.....	1		1	1		1	1			2	
Congestion of the Brain		1		1		1				1	
Chronic Hydrocephalus (Congenital).....			1	1					1	1	
Cerebral.....			1	1					1	1	
Cancer of the Brain		1		1		1				1	
Hemiplegia.....		3		3		1		1	1	3	
<i>Carried forward</i>	87	967	505	1472	48	1189	30	51	139	1456	101

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	87	967	505	1472	49	1189	30	51	139	1458	101
Extra Dural Hemorrhage.....			1	1		1				1	
SPINAL CORD AND ITS MEMBRANES.											
Spina Bifida			1	1		1				1	
Locomotor Ataxia.....		1		1			1			1	
NERVES.											
Alcoholic Neuritis.....		1		1			1			1	
Traumatic Neuritis.....		1		1		1				1	
Crutch Paralysis.....		1		1		1				1	
Ulnar Paralysis		1		1		1				1	
FUNCTIONAL DISEASES OF THE NERVOUS SYSTEM.											
Epilepsy.....		1		1					1	1	
Hysterical Paralysis.....			1	1		1				1	
Neuralgia, Facial.....			1	1				1		1	
Sciatica.....		1	1	2		2				2	
Coccydynia		1	1	2		2				2	
Irritable Cicatrix			1	1		1				1	
Torticollis.....			1	1		1				1	
Delirium Tremens.....		4		4		1			3	4	
EYE.											
Cancer of the Eye.....		1		1		1				1	
Abcess of the Lachrymal Sac.....			1	1			1			1	
Inflammation of the Eyelids.....		1		1		1				1	
Ectropium.....		1		1		1				1	
Tumors in the Orbit.....			1	1		1				1	
EAR.											
Malformations of the Auricle.....			1	1		1				1	
Wound of Auricle.....		2		2		2				2	
Median Otitis.....	1					1				1	
NOSE.											
Epistaxis.....		2		2		2				2	
Cancer of the Nostril.....	1	1		1		2				2	
<i>Carried forward</i>	89	987	516	1503	49	1214	33	52	143	1491	101

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	89	987	516	1503	49	1214	33	52	143	1401	161
BONES.											
Periostitis.....	2	8	4	12	.....	12	1	.....	.....	13	1
Diffuse Periostitis.....	1	.....	.....	.....	.....	1	.....	.....	.....	1	.....
Ostitis.....	.....	1	2	3	.....	1	.....	.....	1	2	1
Acute Epiphysitis.....	.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Osteomyelitis.....	.....	3	.....	3	.....	2	.....	.....	1	3	.....
Chronic Abscess of Bone.....	.....	1	1	2	.....	2	.....	.....	.....	2	.....
Caries.....	.....	4	3	7	.....	6	1	.....	.....	7	.....
Necrosis.....	2	35	8	43	1	55	1	2	1	43	2
Exostosis.....	.....	.....	1	1	.....	.....	.....	1	.....	1	.....
Cancer of the Bones.....	.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Dactylitis.....	.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Osteo-sarcoma.....	1	.....	.....	.....	.....	1	.....	.....	.....	1	.....
JOINTS.											
Synovitis.....	.....	7	3	10	.....	8	.....	.....	.....	8	2
Acute.....	3	22	6	28	.....	25	.....	.....	.....	28	3
Chronic.....	.....	2	3	5	.....	4	.....	1	.....	5	.....
Arthritis.....	.....	4	9	13	.....	11	.....	1	.....	12	1
Chronic Tuberculous Arthritis.....	7	13	15	28	.....	25	3	2	.....	32	3
Abscess of Joint.....	1	2	.....	2	.....	2	.....	.....	1	3	.....
Periarticular Abscess.....	.....	1	1	2	.....	2	.....	.....	.....	2	.....
Ankylosis.....	.....	3	3	6	.....	2	.....	1	.....	3	3
Chronic Osteo-arthritis.....	1	.....	.....	.....	.....	1	.....	.....	.....	1	.....
Loose Cartilage.....	.....	.....	1	1	.....	1	.....	.....	.....	1	.....
Relaxation of the Ligaments of a Joint.....	.....	1	.....	1	.....	1	.....	.....	.....	1	.....
Foreign Body in Joint.....	.....	2	.....	2	.....	2	.....	.....	.....	2	.....
Popliteal Abscess.....	.....	2	.....	2	.....	2	.....	.....	.....	2	.....
Axillary ".....	.....	1	.....	1	.....	1	.....	.....	.....	1	.....
SPINE.											
Caries and Necrosis of the Vertebrae...	1	2	.....	2	.....	2	1	.....	.....	3	.....
Psoas Abscess.....	.....	1	2	3	.....	2	.....	.....	.....	2	1
<i>Carried forward</i>	108	1105	578	1683	50	1374	42	60	147	1673	113

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	108	1103	578	1683	50	1374	42	60	147	1673	118
Scoliosis.....	...	...	1	1	...	...	...	1	...	1	...
Concussion of Spine.....	...	1	...	1	...	1	...	...	...	1	...
MUSCLES.											
Syphilitic Disease of the Muscles ...	...	1	...	1	...	1	...	...	...	1	...
TENDONS.											
Teno-synovitis	1	2	...	2	...	3	...	...	...	3	...
Contraction of Tendons.....	...	...	1	1	...	1	...	...	...	1	...
Talipes Equino-varus.....	...	1	...	1	...	1	...	...	...	1	...
Talipes Valgus .....	...	...	2	2	...	2	...	...	...	2	...
Talipes Calcaneus .....	...	1	1	2	...	2	...	...	...	2	...
Contracted Palmar Fascia.....	...	...	1	1	...	1	...	...	...	1	...
Hammer Toe .....	...	1	2	3	...	3	...	...	...	3	...
BURSAE.											
Enlarged Bursa Patellæ .....	...	3	5	8	1	6	...	...	...	7	1
“ “ over Olecranon .....	...	1	...	1	...	1	...	...	...	1	...
Bursitis.....	...	3	1	4	...	4	...	...	...	4	...
Bursal Abscess	1	1	5	6	...	7	...	...	...	7	...
Bunion .....	...	1	...	1	...	1	...	...	...	1	...
Bunion Suppurating .....	...	...	1	1	...	1	...	...	...	1	...
INJURIES.											
GENERAL INJURIES.											
Wounds Incised.....	...	1	...	1	...	1	...	...	...	1	...
Contused .....	...	22	5	27	...	24	...	...	2	26	1
Burns	2	37	38	75	1	59	...	...	19	70	7
Scalds	1	1	2	3	...	3	...	...	1	4	...
Multiple Injury... ..	1	30	2	32	...	19	...	...	14	33	...
Bullet Wounds .....	...	...	1	1	...	...	...	...	...	...	1
Apnoea from Strangling.....	...	2	...	2	...	2	...	...	...	2	...
Exposure to Cold. ....	...	2	...	2	...	2	...	...	...	2	...
LOCAL INJURIES.											
OF THE HEAD.											
Contusion .....	...	7	3	10	...	10	...	...	...	10	...
Scalp-wound: bone not exposed.....	1	51	17	68	...	65	...	...	...	65	4
<i>Carried forward</i>	115	1274	666	1940	52	1585	42	61	183	1923	132

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital, Jan. 31, 1895.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	115	1274	666	1940	52	1585	42	61	183	1923	132
Scalp-wound bone exposed		30	5	35	....	34	1	....	....	35	....
Concussion of the Brain.....	3	35	5	40	3	35	....	....	6	43	....
Fracture of the Vault of the Skull.....		1	1	2	....	2	....	....	....	2	....
Simple, without depression		1	....	1	....	1	....	....	....	1	....
" with "		5	....	5	....	4	....	....	1	5	....
Compound, without depression		5	....	5	1	3	....	....	1	5	....
" with "		7	2	9	....	5	....	....	4	9	....
Fracture of the Base of the Skull		14	4	18	1	5	....	....	12	18	....
Laceration of the Brain without Frac- ture of the Skull.....		1	....	1	....	1	....	....	....	1	....
Injuries of the Cerebral Vessels.....		4	....	4	....	1	....	....	3	4	....
Bullet Wound		2	....	2	....	2	....	....	....	2	....
Penetrating.....		5	....	5	....	1	....	....	4	5	....
OF THE FACE.											
Contusion		7	6	13	....	13	....	....	....	13	....
Wound	3	24	5	32	1	31	....	1	1	34	1
Bullet Wound		1	1	2	....	2	....	....	....	2	....
Deformity of Nose .....		....	1	1	....	1	....	....	....	1	....
Fracture of the Facial Bones		1	....	1	....	1	....	....	....	1	....
" " Nose.....		9	2	11	....	11	....	....	....	11	....
" " " compound	1	6	3	9	....	10	....	....	....	10	....
" " Upper Jaw.....		1	....	1	....	1	....	....	....	1	....
" " Lower Jaw		15	1	16	1	13	1	1	....	16	....
OF THE EYE.											
Wound of Eyelids		1	....	1	....	1	....	....	....	1	....
OF THE NECK.											
Contusion		2	....	2	....	2	....	....	....	2	....
Rupture of the Trachea .....		....	1	1	....	1	....	....	....	1	....
Wound of the Neck		4	....	4	1	2	....	....	....	3	1
Penetrating.....		5	....	5	....	5	....	....	....	5	....
Gunshot		2	....	2	....	1	....	1	....	3	....
Oedema of Glottis.....		....	1	1	....	....	....	....	....	....	1
<i>Carried forward</i>	122	1462	707	2169	60	1774	44	64	214	2156	135

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	122	1462	707	2169	60	1774	44	64	214	2156	135
Foreign Bodies in the Oesophagus....		2		2		2				2	
OF THE CHEST.											
Contusion		16	5	21		20				20	1
Fracture of the Ribs or Costal Carti- lages, without injury to the Lung...	1	37	4	41		39			1	40	2
Fracture of the Ribs or Costal Carti- lages, with injury to the Lung.....		6	1	7		4	1		2	7	
Wound of the Thoracic Parietes		2		2		2				2	
Perforating Wound of the Chest		2		2		2				2	
Bullet Wound		1		1		1				1	
OF THE BACK.											
Contusion	2	33	9	42	2	39	1	1		43	1
Sprain... ..		3	1	4		4				4	
Fracture of the Spine.....	2	11		11		1			12	13	
Injury of the Spinal Cord without known fracture.....		4		4		2			2	4	
OF THE ABDOMEN.											
Contusion		4	1	5		4				4	1
Bliss after Laparotomy			1	1							1
Wound of the Abdominal Parietes		5	1	6	1	5				6	
Wound of the Abdominal Parietes, with protrusion of uninjured Vis- cera	1					1				1	
Bullet Wound, Penetrating.....		1		1		1				1	
OF THE PELVIS.											
Contusion		6		6		5				5	1
Wound of the Male Perineum.....		4		4		3				3	1
“ “ Scrotum		4		4		4				4	
Wound of the Female Perineum.....			2	2		2				2	
Fracture or dislocation of the Pelvis ..		1	1	2	1	1				2	
Fracture or dislocation of the Pelvis, with rupture of the Bladder or Urethra.....		1		1					1	1	
OF THE UPPER EXTREMITIES.											
Contusion		18	9	27		27				27	
<i>Carried forward</i>	128	1623	742	2365	64	1943	46	65	232	2350	143

SURGICAL DISEASES. — Continued.

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Dec 31, 1895.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	128	1623	742	2365	64	1943	46	65	232	2350	143
Sprain		5		5		5				5	
Wound	2	30	5	44		45				45	1
Wounds of Joints		7		7		7				7	
Separation of Epiphyses.....		2	1	3		3				3	
Traumatic Amputation of Arm.....		1		1		1				1	
Fracture of the Clavicle.....		14	4	18		18				18	
" " Scapula.....		3	1	4		4				4	
" " Humerus ...	2	33	9	42		42				42	2
" " " Comp.	2	6		6		7			1	8	
Ununited Fracture of Humerus		2		2			1			1	1
Fracture of Radius.....	3	17	16	33		34				34	2
" " " Comp.		1		1		1				1	
" " Ulna.....	2	3	2	5		7				7	
" " " Comp.	1	2		2		3				3	
" " Radius and Ulna		5	1	6		6				6	
" " " " " Comp....		2	1	3		2			1	3	
" " Olecranon		2		2		2				2	
" " Internal Condyle		1		1		1				1	
" " Finger, Comp.		8	1	9		9				9	
" " Carpus		1		1		1				1	
" " Metacarpus.....		1		1		1				1	
" " " Comp.		1		1		1				1	
Dislocation of the Acromio-clavicular Joint		4	2	6		6				6	
Dislocation of the Shoulder.....		19	4	23		20	2			22	1
" " " " with fract- ure.....		2		2		1			1	2	
Dislocation of the Shoulder, Comp. ..			1	1		1				1	
" " " Elbow.....		6	2	8		8				8	
" " " Wrist		1	1	2		2				2	
" " " Phalanges, Comp...	1	4		4	1	4				5	
Fracture of Phalanges, Comp.		1		1		1				1	
<i>Carried forward</i>	141	1816	793	2609	65	2186	49	65	235	2600	150

SURGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	141	1816	793	2609	65	2186	46	65	235	2600	150
OF THE LOWER EXTREMITIES.											
Contusion	6	73	8	81	2	79		1		85	2
Sprain		42	16	58		52		1		53	5
Wound	1	50	9	59	1	57			1	58	1
Wounds of the Joints.....		1		1		1				1	
Foreign Bodies Imbedded.....		1		1		1				1	
Fracture of the Femur.....	13	45	13	58		60			3	63	8
" " " " Comp.....	1	5	1	6		5			2	7	
" " " Cervix Femoris	1	8	9	17		11			3	14	4
Conical Stump.....		1		1			1			1	
Fracture of the Patella.....	1	14	4	18		16	1			17	2
" " " Tibia	7	24	3	27		30				30	4
" " " " Comp.....		4		4		3				3	1
" " " Fibula	8	83	16	99	1	100				101	6
" " " " Comp.....		1		1		1				1	
" " " Tibia and Fibula.....	18	74	19	93		92	1	1	1	95	16
" " " " " Comp.....	4	15	1	16		19				19	2
" " " Bones of the Foot.....	1	20	1	21	1	20				21	1
" " " " " " Comp.....		4	1	5		5				5	
Ununited Fracture.....	1	1		1		2				2	
Dislocation of the Hip.....		1		1		1				1	
" " " Knee		1		1	1					1	
" " " " Comp.....		1		1					1	1	
" " " Astragalus, Comp.....		1		1		1				1	
Haematoma of Thigh.....		1		1		1				1	
NOT CLASSIFIED.											
Rupture of Tendons.....		1		1		1				1	
Foreign substances in the Cellular Tissue			1	1		1				1	
CONGENITAL MALFORMATIONS.											
Single Harelip.....		2		2		1			1	2	
Lower Extremities Conjoined.....		1		1		1				1	
<i>Carried forward</i>	203	2291	895	3186	71	2749	52	68	247	3187	202

SURGICAL DISEASES. — *Concluded.*

DISEASES.	In Hospital Feb. 1, 1896.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	203	2391	895	3186	71	2749	52	68	247	3187	202
Testicle retained in the Inguinal Canal,		1		1	1					1	
MEDICAL CASES.											
No Disease			4	4	4					4	
No Diagnosis		4	8	12		2	2	6	2	12	
NOT CLASSIFIED.											
Constipation			3	3		3				3	
Debility		1	1	2		2				2	
Alcoholism		5		5	1	4				5	
Abdominal		2	1	3	1	1	1			3	
Renal		1		1							1
Births in Hospital		2		2	2					2	
Vaccinia		1		1		1				1	
Antitoxine			1	1		1				1	
Idiocy		1		1			1			1	
Grand Totals.	203	2309	913	3222	80	2763	56	74	249	3222	203

SURGICAL OPERATIONS.

ON HOUSE PATIENTS IN THE SURGICAL SERVICE.

From February 1, 1895, to January 31, 1896, inclusive.

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
Amputation:										
Arm	3		3		2		1		3	
Toes	19	2	21		20		1		21	
Fingers	26	4	30		30				30	
Leg	6		6		3		1	2	6	{ Shock, general infirmity. Exhaustion, 3 days.
Thigh	3	3	6		6		1		6	
Breast	1	24	25	1	22		2		25	
Hand	1		1		1				1	
Penis	1		1					1	1	Sepsis, 6 days.
Feet	4	1	5		3			2	5	{ Tetanus, 6 days. Cerebral hemorrhage, 6 days.
Aneurism:										
Femoral		1	1		1				1	
Aspiration:										
Chest		1	1		1				1	
Knee Joint		2	2		1		1		2	
Circumcision	6		6		6				6	
Cotting's Operation....	11	4	15		14		1		15	
Adhesions Broken up:										
Shoulder.....	3		3		2		1		3	
Curetted:										
Elbow	1		1				1		1	
Tibia	3		3		3				3	
Wound of Hand	4		4		4				4	
Bullet Wound of Leg ..	1		1		1				1	
Tubercular Synovitis.	1		1		1				1	
Necrosis of Costal Cartilage.....	1		1		1				1	
Carried forward	95	42	137	1	121		10	5	137	

SURGICAL OPERATIONS. — *Continued.*

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward</i>	95	42	137	1	121	....	10	5	137	
Rodent Ulcer.....	....	1	1	....	1	....	....	....	1	
Bullet Wound of Head	1	....	1	....	1	....	....	....	1	
Lupus, Face.....	1	1	2	....	1	....	1	....	2	
Ingrown Toe-nail....	1	....	1	....	1	....	....	....	1	
Hæmatocele	1	....	1	....	1	....	....	....	1	
Ulcer of Leg.....	1	....	1	....	1	....	....	....	1	
Pilo-nidal Sinus.....	1	1	2	....	2	....	....	....	2	
Necrosis of Jaw.....	....	1	1	....	1	....	....	....	1	
Tubercular Testis....	1	....	1	....	1	....	....	....	1	
Sinus .....	....	1	1	....	1	....	....	....	1	
Empyema	10	4	14	....	8	....	1	5	14	{ 2 Exhaustion, 3 weeks. Phthisis, 2 days. Sepsis, 3 days. Exhaustion, 5 hours.
Excisions:										
Cervical Glands.....	14	9	23	....	18	....	4	1	23	Secondary hemorrhage.
Inguinal Glands.....	22	5	27	....	23	....	12	....	37	
Cyst of Ala Nasi....	....	1	1	....	1	....	....	....	1	
Testicle	9	....	9	....	5	....	2	2	9	{ Senility, 45 days, Exhaustion, 8 days.
Sciatic Nerve.....	....	1	1	....	....	....	....	1	1	Gangrene.
Varicose Veins.....	5	....	5	....	2	....	3	....	5	
Capsule of Shoulder..	1	....	1	....	1	....	....	....	1	
Nævus .....	....	2	2	....	2	....	....	....	2	
Hemorrhoids.....	....	1	1	....	1	....	....	....	1	
Tubercular Dactylitis	2	....	2	....	1	....	1	..	2	
Tumors of Breast....	....	2	2	....	2	....	....	....	2	
Prepatella Bursa....	1	....	1	....	1	....	....	....	1	
Keloid of Scalp.....	1	....	1	....	1	....	....	....	1	
Spina Bifida .....	....	1	1	....	1	....	....	....	1	
Cystic Tumor of Leg.	1	....	1	....	1	....	....	....	1	
Condylomata.....	1	....	1	....	1	....	....	....	1	
Lymphangioma	1	....	1	....	1	....	....	....	1	
Examined under Ether .	14	2	16	1	14	....	1	....	16	
Foreign Bodies removed										
Bullets	6	....	6	....	4	....	1	1	6	Shock, 7 hours.
Stones	1	....	1	1	....	....	....	....	1	
<i>Carried forward</i>	201	75	276	3	222	....	36	15	276	

SURGICAL OPERATIONS. — *Continued.*

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward</i>	201	75	276	3	222	....	36	15	276	
Needles	1	....	1	....	1	....	....	....	1	
Pencil	1	....	1	....	1	....	....	....	1	
From Knee Joint....	2	....	2	....	2	....	....	....	2	
Searched for	2	....	2	....	2	....	....	....	2	
Compound Fractures:										
Phalanges.....	1	1	2	....	2	....	....	....	2	
Arm	5	1	6	....	5	....	....	1	6	Shock, 4 hours.
Toes	2	....	2	....	2	....	....	....	2	
Leg	17	2	19	....	13	....	6	....	19	
Femur	5	1	6	....	2	....	1	3	6	{ Shock, 26 hours. Shock, 3 days. Pneumonia, 10 days.
Tibia .....	....	1	1	....	....	....	1	....	1	
Humerus.....	3	....	3	....	2	....	....	1	3	Shock, 12 hours.
Nasal Bones	4	1	5	1	4	....	....	....	5	
Skull	8	....	8	....	4	....	2	2	8	{ Shock, 6 hours. Hemorrhage, 3 hours.
Metatarsals	1	....	1	....	1	....	....	....	1	
Colles Fractures	5	3	8	....	8	....	....	....	8	
Fractures Wired:										
Femur	1	....	1	....	....	....	....	1	1	Shock, 12 hours.
Patella.....	3	2	5	....	5	....	....	....	5	
Inferior Maxilla.....	1	....	1	....	1	....	....	....	1	
Humerus	2	....	2	....	2	....	....	....	2	
Tibia	1	....	1	....	1	....	....	....	1	
Hernia:										
Strangulated, Inguinal.....	8	....	8	....	6	....	1	1	8	Peritonitis, 13 days.
Strangulated, Femoral ....	....	2	2	1	1	....	....	....	2	
Strangulated, Umbilical .....	....	4	4	1	....	....	....	3	4	{ Exhaustion, 7 days. Exhaustion, 25 days. Shock, on table.
Ventral	2	....	2	....	2	....	....	....	2	
Radical Cure.....	23	3	26	1	21	....	3	1	26	Pneumonia, 3 days.
Incisions:										
Cervical Glands.....	7	....	7	....	6	....	....	1	7	Phthisis, 2 months.
Cellulitis	43	13	56	....	54	....	2	....	56	
<i>Carried forward</i>	340	109	455	7	370	...	52	20	455	

SURGICAL OPERATIONS. — *Continued.*

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward....</i>	349	109	458	7	370	...	52	29	458	
Bursitis	3	6	9	...	9	...	...	...	9	
Hematoma	1	...	1	...	1	...	...	...	1	
Periostitis	1	1	2	...	2	...	...	...	2	
Carbuncle.	4	1	5	...	4	...	...	1	5	
Inguinal Glands.....	3	1	4	...	4	...	...	...	4	
Osteomyelitis	1	...	1	...	...	...	...	1	1	Septicæmia, 24 hours.
Empyema	7	3	10	...	7	...	...	3	10	{ Exhaustion, 3 days. Exhaustion, 10 days. Exhaustion, 40 days.
Cut Throat	1	...	1	...	1	...	...	...	1	
<i>Abscesses:</i>										
Alveola	9	3	12	...	12	...	...	...	12	
Abdominal Wall....	1	2	3	...	3	...	...	...	3	
Axilla	3	1	4	...	4	...	...	...	4	
Arm	1	...	1	...	1	...	...	...	1	
Hand	4	1	5	...	5	...	...	...	5	
Ischio Rectal.....	26	7	33	...	33	...	...	...	33	
Neck	7	5	12	...	11	...	...	1	12	Phthisis, 21 days.
Head	3	2	5	...	5	...	...	...	5	
Chest.....	...	1	1	...	1	...	...	...	1	
Mammary .....	...	6	6	...	6	...	...	...	6	
Labium .....	...	2	2	...	2	...	...	...	2	
Knee	2	...	2	...	1	...	...	1	2	Septicæmia, 5 days.
Thigh	4	3	7	...	7	...	...	...	7	
Perinephritic	3	1	4	...	3	...	...	1	4	Exhaustion, 39 days.
Psoas	3	3	6	...	5	...	...	1	6	General tuberculosis, 18 days.
Wen	1	...	1	...	1	...	...	...	1	
Bursal.....	2	...	2	...	2	...	...	...	2	
Shoulder.....	1	...	1	...	1	...	...	...	1	
Peritonsillar ...	6	...	6	...	5	...	1	...	6	
Periurethral	2	...	2	...	2	...	...	...	2	
Leg	7	2	9	...	9	...	...	...	9	
Lung	1	1	2	...	1	...	1	...	2	
Multiple	1	...	1	...	1	...	...	...	1	
Back	3	1	4	...	4	...	...	...	4	
<i>Carried forward....</i>	460	162	622	7	523	...	54	38	622	

SURGICAL OPERATIONS. — Continued

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
Brought forward....	460	162	622	7	523	...	54	38	622	
Buttock	7	...	7	...	6	...	...	1	7	Phthisis, 16 days.
Gonorrhœal Arthritis	1	...	1	...	1	...	...	...	1	
Prevesicle.....	1	...	1	...	1	...	...	...	1	
Lumbar.....	1	...	1	...	1	...	...	...	1	
Perineal	3	...	3	...	3	...	...	...	3	
Bubo	16	3	19	...	19	...	...	...	19	
Sacro-Illac	1	...	1	...	...	...	1	...	1	
Liver	1	...	1	...	...	...	1	...	1	
Foot	1	...	1	...	1	...	...	...	1	
Gangrene.....	...	1	1	...	...	...	...	1	1	Pneumonia, 5 days.
Laparotomy :										
Exploratory	4	7	11	...	7	1	2	1	11	{ Sarcoma mesentery, 2 months.
Ovarian Cyst .....	...	6	6	...	5	...	...	1	6	Shock, 24 hours.
Ovariectomy .....	...	5	5	...	5	...	...	...	5	
Salpingitis .....	...	6	6	...	5	...	...	1	6	Septicæmia, 3 days.
Peritonitis.	2	4	6	...	4	1	...	1	6	Fecal fistula, 7 days.
										{ Peritonitis, 6 days.
										{ Peritonitis, 4 days.
										{ Peritonitis, 2 days.
										{ Peritonitis, 24 hours.
										{ Peritonitis, 12 hours.
										{ Peritonitis, 18 hours.
										{ Peritonitis, 9 days.
										{ Peritonitis, 13 days.
Appendicitis	53	29	82	2	56	2	5	17	82	{ Peritonitis, 7 days.
										{ Peritonitis, 15 days.
										{ Peritonitis, 24 hours.
										{ Septicæmia, 15 days.
										{ Septicæmia, 16 days.
										{ Shock, 24 hours.
										{ Shock, 3 hours.
										{ Shock, 2 days.
										{ Shock on table.
Gastroenterostomy.....	...	1	1	...	1	...	...	...	1	
Ventral Fixation.....	...	1	1	...	1	...	...	...	1	
Tubal Pregnancy .....	...	2	2	...	2	...	...	...	2	
Colotomy	1	1	2	...	1	...	...	1	2	{ Diphtheritic inflammation of bladder.
Hematocœle .....	...	2	2	...	2	...	...	...	2	
Pelvic Abscess.....	4	4	8	...	6	...	...	2	8	{ Peritonitis, 1 day.
										{ Septicæmia, 1 month.
Intestinal Obstruction..	1	1	2	...	...	...	...	2	2	{ Shock on table.
										{ Shock on table.
Carried forward....	557	235	792	9	650	4	63	66	792	

SURGICAL OPERATIONS. — *Continued.*

OPERATIONS.	Males.	Females	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward....</i>	557	235	792	9	650	4	63	66	792	
Suprapubic Cystotomy,	1	2	3	....	2	....	....	1	3	Septicæmia, 11 days.
Hysterectomy.....	....	4	4	....	2	....	....	2	4	{ Septicæmia, 14 days. Septicæmia, 3 days.
Cholecystotomy.....	1	5	6	....	5	....	....	1	6	Shock, 12 hours.
Typhoidal Perforation..	3	....	3	....	1	....	....	2	3	{ Peritonitis, 4 hours. Shock, 10 hours.
Intussusception.....	1	....	1	....	....	....	....	1	1	Shock, 12 hours.
Perityphilitis.....	1	....	1	....	1	....	....	....	1	
Resection of Intestine..	....	1	1	....	....	....	....	1	1	{ Shock. Sarcoma, 24 hours.
Artificial Anus.....	1	1	2	....	....	....	....	2	2	{ Exhaustion, 17 days. Exhaustion, 14 days.
Ligation of Vessels.....	1	....	1	....	1	....	....	....	1	
Stab Wound, Abdomen	2	....	2	....	2	....	....	....	2	
Rectum:										
Kraske's.....	2	....	2	....	1	....	....	1	2	Exhaustion, 10 days.
Fistula Anus Cut.....	44	8	52	....	51	....	....	1	52	Phthisis, 1 month.
" Cured.....	1	6	7	....	7	....	....	....	7	
Hemorrhoids:										
Cautey.....	41	12	53	....	52	....	1	....	53	
Ligated.....	6	8	14	....	12	....	2	....	14	
Prolapse:										
Canterized.....	1	....	1	....	1	....	....	....	1	
Stricture.....	....	3	3	....	3	....	....	....	3	
Fissure Anus.....	1	1	2	....	2	....	....	....	2	
Neerosis Caries:										
Inferior Maxilla..	7	1	8	....	8	....	....	....	8	
Superior "	2	....	2	....	2	....	....	....	2	
Ulna.....	1	....	1	....	1	....	....	....	1	
Femur.....	5	2	7	....	5	....	....	2	7	{ Septicæmia, 10 days. Shock, 4 hours.
Tibia.....	4	....	4	....	4	....	....	....	4	
Fibula.....	1	1	2	....	2	....	....	....	2	
Carpus.....	2	4	6	....	6	....	....	....	6	
Ribs.....	1	....	1	....	1	....	....	....	1	
Hammer Toe.....	1	1	2	....	2	....	....	....	2	
<i>Carried forward ..</i>	655	295	953	9	824	4	66	80	953	

SURGICAL OPERATIONS. — *Continued.*

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward....</i>	688	295	983	9	824	4	66	80	983	
Tendon Suture.....	7	1	8	....	8	....	....	....	8	
Osteotomy	3	2	5	....	5	....	....	....	5	
Plastics:										
Skin Graft.....	10	3	13	....	13	....	....	....	13	
Deformed Ear	1	1	2	....	2	....	....	....	2	
Nose.....	4	....	4	....	3	1	....	....	4	
Genito Urinary:										
Nephrotomy .....	....	4	4	....	3	1	....	....	4	
Nephrorrhaphy .....	....	1	1	....	1	....	....	....	1	
Nephrectomy	1	1	2	....	2	....	....	....	2	
Pyonephrosis	1	1	2	....	2	....	....	....	2	
External Urethrotomy	28	....	28	3	19	....	2	4	28	{ Unknown, 2 months. Shock, 1 day Uræmia, 6 days. Exhaustion, 9 days.
Internal "	5	....	5	....	4	....	1	....	5	
External and Internal Urethrotomy	8	....	8	....	6	....	....	2	8	
Dilatation.....	3	....	3	....	3	....	....	....	3	{ Pyonephrosis, 24 hours. Cancer of rectum, 4 days.
Litholapaxy	1	....	1	....	1	....	....	....	1	
Extravasation Urine..	1	....	1	....	....	....	....	1	1	Septicæmia, 4 days.
Circumcision.....	3	....	3	....	3	....	....	....	3	
Meatotomy.....	4	....	4	....	4	....	....	....	4	
Hydrocele:										
Aspirated.....	2	....	2	....	2	....	....	....	2	
Radical Cure.....	9	....	9	....	9	....	....	....	9	
Varicocele	7	....	7	....	7	....	....	....	7	
Hematocoele	2	....	2	....	2	....	....	....	2	
Paraphimosis	1	....	1	....	1	....	....	....	1	
Orchidectomy	4	....	4	....	4	....	....	....	4	
Trachelorrhaphy.....	....	1	1	....	1	....	....	....	1	
Dislocations Reduced:										
Humerus	18	4	22	....	20	1	....	1	22	Aneurism, 3 months.
Clavicle	2	2	4	....	4	....	....	....	4	
Elbow	4	1	5	....	5	....	....	....	5	
<i>Carried forward....</i>	817	317	1134	12	958	7	69	88	1134	

SURGICAL OPERATIONS. — *Continued.*

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward..</i>	517	317	1134	12	958	7	69	88	1134	
Thumb, Comp.	3	...	3	...	3	...	...	...	3	
Toe, Comp.	1	...	1	...	1	...	...	...	1	
Humerus (with fracture of Neck), Excised.	1	...	1	...	...	...	...	1	1	Unknown, 8 days.
Fractures reduced :										
Colles Fracture	3	2	5	...	5	...	...	...	5	
Humerus, Surg. Neck	1	...	1	...	1	...	...	...	1	
Femur	1	...	1	...	...	...	1	...	1	
Sutured Wounds:										
Face.	26	2	28	...	28	...	...	...	28	{ Fr. base skull, 4 hours. Cerebral hemorrhage, 4 days.
Scalp	69	22	91	...	88	1	...	2	91	
Upper Extremity	10	4	14	...	14	...	...	...	14	
Lower Extremity	8	5	13	...	13	...	...	...	13	
Cut Throat.	7	...	7	...	6	...	...	1	7	Hemorrhage, 12 hours.
Chest	2	...	2	...	2	...	...	...	2	
Penis	1	...	1	...	1	...	...	...	1	
Ear	1	...	1	...	1	...	...	...	1	
Trephine, Skull.	13	2	15	...	9	...	...	6	15	{ Shock, 1 day. Exhaustion, 2 days. Shock, 1 day. Meningitis, 8 days. Hemorrhage, 8 days. Hemorrhage, 2 days.
Sarcoma: Multiple.	1	1	2	...	2	...	...	...	2	
“ Thyroid.	2	...	2	...	2	...	...	...	2	
“ Neck.	1	...	1	...	1	...	...	...	1	
“ Palate.	1	...	1	...	1	...	...	...	1	
“ Arm ....	...	1	1	...	1	...	...	...	1	
Melanotic, Neck.	1	...	1	...	1	...	...	...	1	
“ Pharynx.	1	...	1	...	1	...	...	...	1	
“ Axilla	1	...	1	...	...	...	...	1	1	Exhaustion, 3 weeks.
Epithelioma: Lip.	10	...	10	...	9	1	...	...	10	
“ Face.	3	2	5	1	4	...	...	...	5	
“ Nose	2	...	2	...	2	...	...	...	2	
“ Ear and Face.	2	...	2	...	2	...	...	...	2	
“ Tongue. ....	...	2	2	...	2	...	...	...	2	
<i>Carried forward</i>	989	360	1349	13	1158	9	70	99	1349	

SURGICAL OPERATIONS. — *Continued.*

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward....</i>	989	360	1349	13	1158	9	70	99	1349	
Epithelioma: Groin. ..	2	1	3	...	3	...	...	...	3	
" Neck	2	...	2	...	2	1	...	...	2	
Carcinoma: Breast ....	...	4	4	...	3	..	...	...	4	
" Tongue. ..	1	...	1	...	1	...	...	...	1	
" Gum ....	...	1	1	...	1	...	...	...	1	
" Axillary Glands..	...	1	1	...	1	...	...	...	1	
" Thyroid...	...	2	2	...	2	...	...	...	2	
Lipoma	2	1	3	...	3	..	...	...	3	
Fibroma .....	...	3	3	...	3	...	...	...	3	
Neuroma	1	...	1	...	1	...	...	...	1	
Wen	1	1	2	...	2	...	...	...	2	
Scrofulous Glands.	8	5	13	...	13	...	...	...	13	
Miscellaneous:										
Phlebitis.....	...	2	2	...	1	...	1	...	2	
Bullet Wounds .....	...	1	1	...	1	...	...	...	1	
Sinus .....	...	1	1	...	1	...	...	...	1	
Schwartz's for Bullet in Middle Ear..	1	...	1	...	1	...	...	...	1	
Tenotomy	1	5	6	...	6	...	...	...	6	
Pyoneumothorax.....	...	1	1	...	1	...	...	...	1	
Lacerated Cervix....	...	2	2	2	...	...	...	...	2	
Flat Foot.....	...	2	2	...	2	...	...	...	2	
Equino-varus	1	...	1	...	1	...	...	...	1	
Tracheotomy	3	1	4	...	2	...	...	2	4	{ Exhaustion, 2 months. { Sarcoma, 1 day.
Lupus	1	...	1	...	1	...	...	...	1	
Laminectomy ..	4	...	4	...	...	...	...	4	4	{ Exhaustion, 4 days. { Shock, 12 hours. { Shock, 2 hours. { Shock, 2 hours. { Shock, 1 day. { Shock, on table.
Hysterectomy: Abdominal.....	...	2	2	...	...	...	...	2	2	
Hysterectomy, Vaginal ....	...	1	1	...	1	...	...	...	1	
Phlo-nidal Sinus.....	2	...	2	...	2	...	...	...	2	
Enucleation of Eye	2	1	3	...	3	...	...	...	3	
Ether Examination. ..	7	10	17	...	17	...	...	...	17	
Hæmatoma Scalp .....	...	1	1	...	1	...	...	...	1	
Nerve Suture	1	...	1	...	1	...	...	...	1	
<i>Carried forward.....</i>	1029	409	1438	15	1235	10	71	107	1438	

SURGICAL OPERATIONS. — *Concluded.*

OPERATIONS.	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	In Hospital.	Died.	Total.	REMARKS.
<i>Brought forward....</i>	1029	409	1438	15	1235	10	71	107	1438	
Lacerated Perineum....		1	1	....	1	....	....	....	1	
Hare Lip.	1	....	1	....	1	....	....	....	1	
Opening Knee-joint ...	1	5	6	....	6	....	....	....	6	
Powder removed, Face.	1	....	1	....	1	....	....	....	1	
Knee straightened ....	....	1	1	....	1	....	....	....	1	
Osteomyelitis	2	....	2	....	1	....	....	1	2	Shock, 1 day.
Bullet Wound, Skull...	1	....	1	....	....	....	....	1	1	Hemorrhage, 4 hours.
Grand Totals	1035	416	1451	15	1246	10	71	109	1451	

GYNÆCOLOGICAL DISEASES.

From February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	In Hospital Feb. 1, 1895.	Total Admitted.	DISCHARGED.						In Hospital Jan. 31, 1896.
			Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
DISEASES OF THE VULVA.									
Pruritus		1	1					1	
Vulvo-vaginal Abscess		9	4	4		1		9	
Papillomata	1			1				1	
DISEASES OF VAGINA.									
Vaginitis, Gonorrhœal		4	1	3				4	
Vulvo-vaginitis, Gonorrhœal	1			1				1	
Traumata of Vagina and Cervix		1		1				1	
Subinvolution		1		1				1	
Cyst.		2	1	1				2	
Carcinoma		5		3				3	2
DISEASES OF UTERUS.									
(a) Developmental :									
Infantile		1		1				1	
(b) Inflammatory :									
Metritis		1					1	1	
Endometritis	3	86	24	56	4	1	1	86	3
" Septic		1		1				1	
(c) Displacements :									
Anteflexion of Cervix		5		2		1		3	
" " Cervix and Body	1	13	5	9				14	
Retroversion	4	27	3	23	1	1	1	31	
" and Flexion	1			1				1	
" with Adhesion		2		2				2	
" pregnant, incarcerated		1		1				1	
Carried forward	11	158	39	113	5	4	3	164	5

GYNÆCOLOGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1893.	Total Admitted.	DISCHARGED.						In Hospital Jan. 31, 1893.
			Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	11	158	50	113	5	4	3	164	5
Prolapse.....		8	1	7				8	
Procidentia.....		7	2	4	1			7	
(d) <i>New growths:</i>									
Carcinoma.....		19		13	2	1	1	17	2
Sarcoma.....		2					2	2	
Fibroid Polypus.....		2	1					1	1
Fibro-myoma.....		10		8		2		10	
Cervical Polypus.....		1		1				1	
Retro-uterine mass.....	1	1		1	1			2	
(e) <i>Unclassified:</i>									
Lacerated Cervix.....	6	92	39	42	4	2		87	11
Uterine Collie.....		1	1					1	
Hyperplasia, anterior lip.....		1	1					1	
Subinvolution.....		1		1				1	
Post-cervical sinus.....		1	1					1	
DISEASES OF UTERINE APPENDAGES.									
Salpingitis.....	4	22	2	19	2	1	1	25	1
Tubo-ovarian.....	3	16		17	1			18	1
Pelvic Inflammation.....	8	54	1	51	3	2		57	5
" Abscess.....		6	1	4			1	6	
" Peritonitis, subacute.....	1			1				1	
Hematocoele.....		1		1				1	
Hæmatoma.....		1		1				1	
Ovarian Cyst.....		1			1			1	
Ovarian Tumor..		3		3				3	
Prolapsed Ovary.....	1			1				1	
Oophoritis.....		1		1				1	
Pelvic Cellulitis.....		3		1				1	2
Cyst of Broad Ligament.....		1		1				1	
DISEASES OF URINARY ORGANS.									
Distended Bladder.....		1		1				1	
<i>Carried forward</i>	35	414	89	292	20	12	8	421	28

GYNÆCOLOGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1905.	Total Admitted.	DISCHARGED.						In Hospital Jan. 31, 1906.
			Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	35	414	89	292	20	12	8	421	28
Contracted bladder.....		2		2				2	
Cystocele.....	2	5	4	3				7	
Cystitis.....	1	8	3	5				8	1
Hæmaturia.....		1		1				1	
Retention of Urine.....		1	1					1	
Vesico Vaginal Fistula.....		3		2				5	1
Cyst of Skene's Gland.....		1	1					1	
Tuberculosis of Bladder.....		1			1			1	
Urethral Caruncle.....		1	1					1	
Nephritis.....		6		3	1		2	6	
Pyelo-nephritis.....	1	2		3				3	
Pyo-nephrosis.....		2			1			1	1
DISEASES OF RECTUM AND ANUS.									
Hæmorrhoids.....		5	2	2				4	1
Rectocele.....	1	6	6	1				6	1
Stricture of Rectum.....		1		1				1	
Prolapse of Rectum.....		1		1				1	
Recto Vaginal Fistula.....		1		1				1	
Abscess of Rectum.....		2	1	1				2	
Fistula in Ano.....		1		1				1	
DISEASES OF PREGNANCY AND PUERPERAL STATE.									
Miscarriage.....		7	6	1				7	
Incomplete Miscarriage.....		2	1	1				2	
Threatened ".....		8	5	3				8	
Abortion.....		14	9	2				11	3
".....		1	1					1	
Childbirth.....		3	2	1				3	
Puerperium, normal.....		19	14	5				19	
" after abortion.....		17	8	5				13	4
Retained Placenta.....		3	1	1			1	3	
Septicæmia.....	2	34	19	10			4	33	3
<i>Carried forward</i>	42	572	178	348	23	12	5	571	43

GYNÆCOLOGICAL DISEASES. — *Continued.*

DISEASES.	In Hospital Feb. 1, 1895.	Total Admitted.	DISCHARGED.						In Hospital Jan. 31, 1896.
			Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	42	572	173	343	23	12	5	571	43
Uremia		1			1			1	
Eclampsia		4	1	3				4	
Hyperemesis Gravidarum		6	2	1	1			4	1
Pregnancy	2	8	1	7			1	9	1
Puerperal Mania	1	1	2					2	
Rupture of Perineum	3	33	21	13	1			35	6
Ruptured Perineum, complete		4	2	1		1		4	
Incarcerated Impregnated Uterus		1		1				1	
FUNCTIONAL DISEASES.									
Metrorrhagia		4	1	3				4	
Menorrhagia	1	1	2					2	
Dysmenorrhœa		1		1				1	
Leucorrhœa		2		2				2	
Constipation		12	3	9				12	
Intestinal		2							2
UNCLASSIFIED.									
Abscess of Knee		1		1				1	
Anæmia		3		3				3	
Conjunctivitis		1	1					1	
Debility		6	1	3		1		6	1
Epilepsy		1		1				1	
Infancy	1	7	3					8	
Measles		1			1			1	
Neurasthenia		3		2		1		3	
Neuralgia		1		1				1	
Sterility		2		2				2	
Paronychia		1		1				1	
Pharyngitis		1		1				1	
Rheumatism		5	1	4				5	
Premature Birth		6					6	6	
<i>Carried forward</i>	50	695	219	408	27	15	12	691	54

GYNÆCOLOGICAL DISEASES. — *Concluded.*

DISEASES.	In Hospital Feb. 1, 1895.	Total Admitted.	DISCHARGED.						In Hospital Jan 31, 1896.
			Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	50	695	219	408	27	15	12	691	54
Angina Pectoris		1		1				1	
Gastritis		1		1				1	
Peritonitis, purulent		3					3	3	
Syphilis.....		2			2			2	
Phthisis.....		3		2			1	3	
Cardiac, mitral		2		2				2	
Phlebitis		1		1				1	
Mania.....		2	1	1				2	
Hysteria		1		1				1	
Pneumonia.....		1					1	1	
Abscess Groin		1				1		1	
Typhoid Fever.....		4		2	1			3	1
Diabetes Mellitus		3		3				3	
Subperitoneal Abscess		1		1				1	
Tabes Dorsalis.....		1		1				1	
Bronchitis		1							1
Osteo Sarcoma of Ischium		1							1
Jaundice.....		1							1
No Diagnosis		8		3		5		8	
Total Lesions and Conditions	50	733	220	427	30	21	27	725	54
Deduct, counted more than once.....	17	230	44	168	4		8	224	23
Totals	33	503	176	259	26	21	19	501	35

DISEASES OF THE EYE.

Cases treated in Hospital from February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
CONJUNCTIVA.											
Conjunctivitis, catarrhal.....		1	2	3		3				3	
" phlyctenular.....			2	2		2				2	
" gonorrhoeal.....		3		3		3				3	
" traumatic.....		3		3		3				3	
" Trachoma.....	3	3	2	5		7				7	1
" Pterygium.....		1		1	1					1	
CORNEA AND SCLEROTICA.											
Keratitis.....		4		4		3	1			4	
" interstitial.....		1	1	2	2					2	
" phlyctenular.....	1	3	10	13	3	9	1			13	1
Hypopyon-keratitis.....			1	1		1				1	
Ulcer.....		5	4	9	3	5		1		9	
Abscess.....			1	1	1					1	
Conical cornea.....			1	1		1				1	
Burns.....		1		1		1				1	
Wounds.....			1	1		1				1	
Staphyloma.....		1		1				1		1	
Tumors.....			1	1	1					1	
Episcleritis.....			3	3	1	2				3	
Foreign bodies.....		2		2	1	1				2	
LENS.											
Cataract, secondary.....			2	2	2					2	
Carried forward.....	4	28	31	59	15	42	2	2		61	2

DISEASES OF THE EYE. — *Concluded.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.						Remaining in Hospital Jan. 31, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	Total.	
<i>Brought forward</i>	4	28	31	59	15	42	2	2	.....	61	2
Cataract, senile		4	4	8	5	3	.....	.....	.....	8	.....
" traumatic		1	.....	1	1	.....	.....	.....	.....	1	.....
" capsular .....		.....	1	1	1	.....	.....	.....	.....	1	.....
Dislocation		1	.....	1	.....	1	.....	.....	.....	1	.....
GLOBE.											
Panophthalmitis .....		.....	1	1	1	.....	.....	.....	.....	1	.....
Foreign body in the globe		1	.....	1	.....	1	.....	.....	.....	1	.....
Disorganization from injury	1	4	2	6	1	5	.....	1	.....	7	.....
LACHRYMAL APPARATUS.											
Abscess of sac .....		.....	1	1	1	.....	.....	.....	.....	1	.....
LIDS.											
Blepharitis	1	.....	.....	.....	1	.....	.....	.....	.....	1	.....
Entropion .....		.....	1	1	.....	1	.....	.....	.....	1	.....
Nævus .....		.....	1	1	.....	1	.....	.....	.....	1	.....
ORBIT.											
Tumor .....		.....	1	1	1	.....	.....	.....	.....	1	.....
NERVES AND MUSCLES.											
Convergent strabismus		1	4	5	1	3	.....	1	.....	5	.....
Divergent strabismus		1	.....	1	1	.....	.....	.....	.....	1	.....
IRIS, CILIARY BODY, AND CHOROID.											
Iritis, traumatic		2	.....	2	1	1	.....	.....	.....	2	.....
" rheumatic		1	.....	1	1	.....	.....	.....	.....	1	.....
" syphilitic		3	2	5	1	4	.....	.....	.....	5	.....
Iridodialysis		1	.....	1	.....	1	.....	.....	.....	1	.....
Glaucoma ..	1	.....	1	1	1	1	.....	.....	.....	2	.....
RETINA AND OPTIC NERVE.											
Hemioptia		1	.....	1	.....	.....	1	.....	.....	1	.....
No disease .....		.....	1	1	.....	.....	1	.....	.....	1	.....
Totals	7	49	51	100	33	64	4	4	.....	105	2

DISEASES OF THE EAR.

Cases treated in the Hospital from February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.				In Hospital Jan. 31, 1896.
		Right Ear.	Left Ear.	Both Ears.	Well.	Relieved.	Not Relieved.	Died.	
MORBI AURIS EXTERNÆ.									
Auriculæ:									
Othæmatoma				1			1		
Mentus:									
Carcinoma		2				1	1		
Exostosis		1			1				
Otitis Externa			1		1				
Gunshot Wound		1							1
MORBI AURIS MEDIE.									
Otitis media catarrhalis serernens.....				1	1				
Otitis media acuta simplex.....		1	1			2			
Otitis media suppurativa acuta.....		2	1		1	1			1
Otitis media suppurativa chronica.....		3	4			7			
Otitis media suppurativa cum perforatione.....	1	4	3	3	6	6			
Otitis media suppurativa cum paralysis.....			2		1	1			
Otitis media suppurativa cum empyæma mastoidæ	1					1			
Otitis media suppurativa cum ostiide.....	2	12	6		11	9			
Otitis media suppurativa cum osteo sclerosis.....			1			1			
Otitis media suppurativa cum cholesteatoma....	1					1			
Otitis media suppurativa cum caries meatus.....	1						1		
Otitis media suppurativa cum polypo.....			1			1			
Otitis media suppurativa cum meningitide.....		1							1
Otitis media suppurativa cum necrosis ossicles...			4		1	3			
Otitis media suppurativa cum perascetitidæ mas- toidæ		1	2			2			
Otitis media suppurativa cum carie mastoidæ....						1			1
Carried forward.....	6	28	26	6	23	36	3	1	3

DISEASES OF THE EAR. — *Concluded.*

DISEASES.	In Hospital Feb. 1, 1896.	ADMITTED.			DISCHARGED.				In Hospital Jan. 31, 1896.
		Right Ear.	Left Ear.	Both Ears.	Well.	Relieved.	Not Relieved.	Died.	
<i>Brought forward</i>	6	28	26	5	23	36	3	1	3
Otitis media suppurativa cum sub periosteal abscess		1							1
MORBI LABYRINTHI.									
Menière's complex.....			1						
MORBI NASUM ET NASO PHARYNGES.									
Scoliosis septi nasi.....				2	2				
Fracture nasi.....				3		3			
Adeno carcinoma.....				1				1	
Adenoids				2	1	1			
Hyperplasia tonsillæ				1	1				
UNCLASSIFIED.									
No disease.....				3	2		1		
Laryngeal tuberculosis.....				1			1		
After treatment of mastoid.....				1	1				
Total.....	6	29	27	19	30	40	5	2	4

Admitted.....76

Discharged.....77

Males.....48

Females.....27

AURAL CASES TREATED ON OTHER HOUSE SERVICES.

From February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	In Hospital, Feb. 1, 1895.	ADMITTED.			DISCHARGED.					In Hospital Jan. 31, 1896.
		Right Ear.	Left Ear.	Both Ears.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	
MORBI AURIS EXTERNÆ.										
Otitis externa diffusa.....			1			1				
Otitis externa desquamativa				2	1	1				
Eczema			1			1				
Furunculosis.....		3				3				
Accumulatio ceruminis.			1	4	5					
Erysipelas		1			1					
Fracture of meatus				1		1				
MORBI AURIS MEDIÆ.										
Otitis catarrhalis serernens acuta			1			1				
Otitis catarrhalis serernens chronica.....			2	1		3				
Otitis media catarrhalis chronica		3		2		3		1		1
Otitis media acuta simplex	2	4	4		2	6			2	
Otitis media suppurativa cum perforatione ..	13	25	23	25	9	67			9	1
Otitis media suppurativa cum granulatione tympani.....	2					2				
Otitis media suppurativa cum mastoiditis....	6	3	2		2	6	3			
Otitis media suppurativa chronica		3	6	8	3	8	1			
Effectus otitis media suppurativa.....		1		1		1		1		
Otitis media suppurativa acuta.....		1	3	1	1	2				2
Trauma indirecta.....		2				1			1	
MORBI LABYRINTHI.										
Labyrinthitis acuta secundaria....				3	1					2
Labyrinthitis syphilitica				1				1		
Labyrinthitis tuberculæ				1				1		
Carried forward	23	46	43	46	25	107	4	4	12	6

AURAL CASES. — *Concluded.*

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.					In Hospital Jan. 31, 1896.
		Right Ear.	Left Ear.	Both Ears.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	
<i>Brought forward</i>	23	46	43	46	25	107	4	4	12	6
Menière's complex.....			1			1				
Fracture (traumatic labyrinthitis).....			1					1		
Hyperæmia labyrinthi (typhoidal).....				2				2		
UNCLASSIFIED.										
Pharyngeal otalgia.....				1		1				
Fracture nasal.....				2		2				
No disease of ear.....				6				6		
Totals.....	23	46	45	57	25	111	4	10	12	6

New patients..... 148
Males 74
Females 74

OUT-PATIENT DEPARTMENT.

MEDICAL.

IN CHARGE OF DRs. JACKSON, SEARS, MORSE AND EDSON.

From February 1, 1896, to January 31, 1896, inclusive.

DISEASES.	Males.	Females.	Total.
ACUTE GENERAL INFECTIOUS FEVERS.			
Typhoid Fever.....	14	5	19
Diphtheria	13	4	17
Diphtheritic Sequelæ.....	1	3	4
Scarlet Fever.....	2	1	3
Measles		1	1
Rötheln	1		1
Pertussis (Whooping-cough).....	5	2	7
Vaccinia	1		1
Erysipelas (Simple).....	1		1
Intermittent Malarial Fever.....	17	1	18
Tertian.....	6	2	8
Quartan	1		1
Pernicious Intermittent Fever.....	1		1
Influenza	25	6	31
Febricula.....	5		5
Aestivo-Autumnal Fever.....	2	1	3
DIATHETIC DISEASES AND DISEASES OF NUTRITION.			
Tuberculosis (see Special Organs)		1	1
Acute Disseminated Tuberculosis.....	1		1
Carried forward.....	96	27	123

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	96	27	123
Rachitis	7	10	17
Acute Articular Rheumatism	20	13	33
Subacute Articular Rheumatism	3	3	6
Chronic Articular Rheumatism.....	30	23	53
Gonorrhœal Rheumatism.....	9	1	10
Muscular Rheumatism.....	12	8	20
(Myalgia)	3	2	5
Lumbago	54	8	62
Rheumatoid Arthritis	4	11	15
Periarthritis		1	1
Articular Rheumatism.....	23	11	34
Diabetes Mellitus	5	3	8
Syphilis	24	6	30
Secondary	2	1	3
Tertiary		2	2
Hereditary.....		1	1
Lithæmia.....	8	2	10
DISEASES OF THE RESPIRATORY SYSTEM.			
OF THE NASAL CHAMBERS.			
Acute Coryza	11	4	15
Hay Fever.....	1		1
Rhinitis	3	2	5
OF THE PHARYNX.			
Acute Pharyngitis.....	18	11	29
Dry Pharyngitis (Atropic)	5	1	6
OF THE TONSILS.			
Acute Tonsillitis.....	15	13	28
<i>Carried forward</i>	353	164	517

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	353	164	517
Quinsy	3	1	4
Hypertrophied Tonsils		1	1
Ulcerated Tonsil	1		1
OF THE LARYNX.			
Acute Laryngitis	3	4	7
Chronic Laryngitis		1	1
Tubercular Laryngitis	2	1	3
OF THE BRONCHI.			
Acute Bronchitis	161	140	301
Chronic Bronchitis	27	25	52
Capillary Bronchitis	1		1
Asthma	4	3	7
Bronchiectasis	5		5
Tracheitis	1		1
OF THE LUNG.			
Croupous Pneumonia	5	4	9
Broncho-Pneumonia	1	1	2
Chronic Tuberculosis	184	78	212
Acute Miliary Tuberculosis		1	1
Hæmoptysis	2	1	3
Pulmonary Emphysema	12	1	13
OF THE PLEURA.			
Pleurisy	28	15	43
Dry	30	9	39
Sero-fibrinous	16	2	18
Purulent (Empyæma)	2		2
Diaphragmatic	1		1
<i>Carried forward</i>	792	452	1,244

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	792	452	1,244
DISEASES OF THE CIRCULATORY SYSTEM.			
OF THE HEART AND ITS MEMBRANES.			
Chronic Myocarditis.....	5	2	7
Mitral Incompetence	23	24	47
Mitral Stenosis.....	1	2	3
Aortic Incompetence	13	8	16
Combined Valvular Disease.....	1	.....	1
Dilatation	9	2	11
Fatty Degeneration.....	.....	1	1
"Cardiac"	53	41	94
"Functional".....	.....	2	2
OF THE BLOOD-VESSELS.			
Arterio-sclerosis	11	3	14
Aortic Aneurism	1	.....	1
Varicose Veins .....	.....	8	8
Hæmorrhoids	2	4	6
Phlebitis	2	3	5
Angio-neurotic Oedema.....	.....	1	1
Lymphangioma	1	.....	1
OF THE BLOOD.			
Anæmia	27	138	165
Chlorosis .....	.....	4	4
Pseudo-Leukæmia	1	.....	1
DISEASE OF THE LIVER, BILE-DUCTS, AND PORTAL VEIN.			
Perihepatitis	2	.....	2
Chronic Interstitial Hepatitis (Cirrhosis)	8	.....	8
Gall-stones	2	2	4
Cancer .....	.....	1	1
<i>Carried forward</i>	954	693	1,647

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	954	693	1,647
Gumma of Liver	1	.....	1
Tumor of Liver	1	.....	1
DISEASES OF THE THYROID.			
Goitre	1	1	2
Exophthalmic Goitre	1	3	4
Myxædema	1	1	2
DISEASES OF THE DIGESTIVE ORGANS.			
Stomatitis	6	8	14
Aphthous	1	.....	1
Ulcerative	1	3	4
Stricture of Oesophagus	1	.....	1
Tongue Tie	1	.....	1
Oesophagitis .....	.....	1	1
OF THE STOMACH.			
Acute Gastric Catarrh	38	8	46
Chronic Gastric Catarrh	24	22	46
Ulcer .....	.....	5	5
Cancer	4	5	9
Dilatation	1	1	2
Gastro-duodenitis	18	11	29
Subacute Gastritis	3	7	10
Gastro-enteritis	1	3	4
Indigestion	114	190	304
Dyspepsia	20	38	58
OF THE INTESTINES.			
Catarrhal Enteritis	16	15	31
Habitual Constipation	58	105	163
Appendicitis	3	4	7
<i>Carried forward</i>	1,270	1,123	2,393

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	1,270	1,123	2,393
Prolapse of Rectum		1	1
Obstipation		1	1
Infantile Atrophy	1	1	2
Tænia.....	4	3	7
Oxyuris Vermicularis.....	1		1
Acute Indigestion	1		1
Colitis.....	3		3
Ilio-colitis	8	5	13
Diarrhœa.....	7	8	15
OF THE PERITONEUM.			
Tubercular Peritonitis.....	1	1	2
Tumor of Abdomen		2	2
DISEASES OF THE KIDNEY, PELVIS OF KIDNEY, AND BLADDER.			
Acute Parenchymatous Nephritis	7	7	14
Chronic Interstitial Nephritis.....	7	4	11
Chronic Diffuse Nephritis.....	3	4	7
Renal Colic.....	2		2
Acute Cystitis.....	1	5	6
Chronic Cystitis.....	3	5	8
Chronic Prostatitis.....	1		1
Tubercular Cystitis.....		1	1
Enuresis.....	5	3	8
Renal	2	2	4
DISEASES OF THE NERVOUS SYSTEM.			
OF THE BRAIN.			
Tubercular Meningitis.....	1	1	2
Cerebral Syphilis.....	2	2	4
<i>Carried forward</i>	1,330 *	1,179	2,509 *

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASE.	Males.	Females.	Total.
<i>Brought forward</i>	1,330	1,179	2,509
Menière's Disease		1	1
Monoplegia.....	1		1
OF THE SPINAL CORD.			
Locomotor Ataxia.....	2	1	3
OF THE NERVES.			
Neuralgia	2	5	7
Facial.....	3		3
Intercostal.....		1	1
Supraorbital	1		1
Hemicrania.....	1	1	2
Cephalgia	11	31	42
Pleurodynia	7	5	12
Coccydynia	1		1
Sciatica	13	2	15
Migraine	2		2
Facial Paralysis.....		1	1
Of Muscles of Shoulder		1	1
Of Muscles of Lower Extremity.....		1	1
Lead Paralysis	1		1
Spasmodic Torticollis (Wry Neck)	1		1
Simple Degenerative Neuritis	3	1	4
Multiple Degenerative Neuritis.....		1	1
Alcoholic Neuritis.....	3	1	4
Neuritis	3		3
Rheumatoid Neuritis	1		1
NEUROSES.			
Epilepsy	7	3	10
<i>Carried forward</i>	1,393	1,235	2,628

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	1,393	1,235	2,628
Infantile Convulsions.....		2	2
Hysteria		4	4
Chorea.....	4	5	9
Paralysis Agitans	1	1	2
Neurasthenia	12	24	36
Insomnia.....		1	1
Vertigo	1	1	2
Neurosis	1		1
DISEASES OF THE INTELLECT.			
Melancholia	2	1	3
Delusional Insanity	1		1
DISEASES OF THE CELLULAR TISSUE.			
Obesity	1	3	4
Cellulitis	1	1	2
DISEASES OF THE MUSCULAR SYSTEM.			
Rupture of Rectus Abdominalis.....	1		1
Muscular Strain.....	1		1
DISEASES OF THE SKIN.			
Dermatitis Venenata	1	1	2
Dermatitis.....	2	2	4
Eczema	1	13	14
Erythema Multiforme.....	1	1	2
Acne.....		2	2
Erythema Nodosum		1	1
Erythema Simplex		3	3
Herpes Simplex.....	1		1
Herpes Zoster	1	3	4
<i>Carried forward</i>	1,426	1,304	2,730

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	1,426	1,304	2,780
Pediculosis Capillitii.....		2	2
Psoriasis		2	2
Scabies		1	1
Urticaria	5	4	9
Pigmentary Hypertrophy	1		1
POISONS.			
Alcohol (Alcoholismus)	35		35
Lead	10		10
Opium or Morphine	1		1
Tobacco.....	1	5	6
UNCLASSIFIED.			
Debility	66	102	168
Epistaxis	4		4
Idiopathic Oedema of Lip.....		2	2
Eloped	21	8	29
Gonorrhœa	5	3	8
Menopause		5	5
Periostitis	1		1
Phimosi s	2		2
Pregnancy.....		10	10
Strain.....	6	1	7
Pott's Disease.....		1	1
Mastitis	1	2	3
No Disease	20	15	35
Synovitis	1	1	2
Poisoned Wound of Lip	1		1
Ulcer of Lip		1	1
<i>Carried forward</i>	1,607	1,469	3,076

MEDICAL OUT-PATIENT DEPARTMENT. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	1,607	1,469	3,076
Senility	1	.....	1
Adenitis	4	5	9
Adenitis Tubercular.....	.....	1	1
Balanitis.....	1	.....	1
Carbuncle .....	.....	1	1
Contusion	4	7	11
Flat Foot.....	2	3	5
Hernia	2	2	4
Inguinal Hernia	1	1	2
Lateral Curvature.....	1	.....	1
Masturbation	1	.....	1
Vomiting of Pregnancy .....	.....	1	1
MEMORANDUM FOR OUT-PATIENT DEPARTMENT.			
Referred to Surgical Department	44	10	54
“ “ Skin Department	8	9	17
“ “ Eye Department	8	7	15
“ “ Ear Department	4	7	11
“ “ Throat Department.....	24	11	35
“ “ Nervous Department	15	13	28
“ “ Gynæcological Department .....	.....	38	38
“ “ Superintendent for Admission	36	23	59
“ “ Superintendent for other Reasons ..	1	.....	1
“ “ Children's Hospital.....	3	3	6
“ “ Dispensary	4	2	6
Rejected; able to pay.....	13	8	21
Not Treated	13	16	29
Not Eligible	5	6	11
<i>Carried forward</i>	1,802	1,643	3,445

MEDICAL OUT-PATIENT DEPARTMENT. — *Concluded.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	1,802	1,648	3,445
No Diagnosis		6	6
Referred to other Institutions.....	1	1	2
“ “ Carney Hospital	1		1
“ “ Dentist		1	1
“ “ Boston Lunatic Hospital		1	1
“ “ Massachusetts General Hospital		1	1
“ “ Summer Home	1		1
Total Diseases	1,803	1,653	3,458
Patients Counted Twice.....	40	41	81
Total Patients	1,765	1,612	3,377

OUT-PATIENT DEPARTMENT.

SURGICAL.

IN CHARGE OF DRS. LOVETT, MUNRO, THORNDIKE, DWIGHT, BLAKE,
AND LUND.

From February 1, 1895, to January 31, 1896, inclusive.

<i>General Diseases.</i>		<i>Brought forward</i>		278
Erysipelas :		Alveolar Abscess		36
Simple	9	Necrosis of Alveoli		1
Diphtheria	5	Caries " "		1
Rheumatism :		Dentigerous Cyst		1
Acute	57	Ulcer of the Tongue		2
Sub-acute	3	Tongue-tie		10
Gonorrhœal	6	Follicular Tonsillitis		2
Chronic	12	Suppurative "		4
General Tuberculosis	2	Enlarged Tonsils		1
Gout	2	Pharyngitis		1
Syphilis :		Parotitis		1
Primary	82	Gastritis		2
Secondary	12	Abdominal Tumor		6
Tertiary	16	Obstipation		3
<i>Malignant Tumors.</i>		Appendicitis		20
[See also Special Regions.]		Fistula		1
Cancer	19	Hernia		10
Epithelial	28	Reducible		12
Osteoid	1	Inguinal :		
Sarcoma	7	Reducible		54
Melanotic	1	Incarcerated		1
<i>Non-Malignant Tumors.</i>		Femoral :		
[See also Special Regions.]		Reducible		6
Fibrous Tumor	5	Omental		1
Hæmatoma	5	Ulceration of the Rectum		1
Lipoma	26	Abscess of the Rectum		2
Osteoma	1	Cancer of the Rectum		1
Adenoma	1	Rectal Polypus		1
Nævus	1	Ulceration of the Anus		1
Wart	2	Fistula in Ano		67
Condyloma	1	Recto-vesical Fistula		1
Keloid	3	Hemorrhoids :		
Exuberant Granulations	3	Internal		1
Simple Cysts	1	External		79
Compound Cysts: Sebaceous	3	Ischio Rectal Abscess		18
<i>Local Diseases.</i>		Fissure of the Anus		3
<i>Digestive System.</i>		Prolapsus Ani		11
Stomatitis	14	Warts of the Anus		1
Ranula	2	<i>Absorbent System.</i>		
<i>Carried forward</i>		Inflammation of the Lym-		
	278	phatics		9
		Adenitis		137
		Syphilitic Bubo		2
		Chancroidal Bubo		1
		<i>Carried forward</i>		
				790

<i>Brought forward</i>	790
Scrofulous Glands:	
Cervical.....	28
Axillary.....	10

Circulatory System.

Cyanosis:	
Anæmia	1
Rupture of an Artery.....	1
Phlebitis	13
Varicose Veins	59
Vascular Nævus	1
Ruptured Varix.....	1
Varicose Ulcer.....	50
Specific Ulcer	14

Respiratory System.

CEdema of the Glottis.....	1
Cyst of Larynx.....	1
Empyema	9

Secretory System.

Parotitis	2
Inflammation of the Submaxil- lary Gland.....	3
Biliary Calculi.....	1

Urinary System.

Perinephritis	1
Hypertrophy of the Kidney ..	1
Calculus of the Kidney	1
Floating Kidney.....	1
Nephritis	3
Cystitis	9
Tuberculosis of Bladder.....	1
Stone in the Bladder	3
Foreign Body in Bladder	1
Rapture of Bladder	1
Vesical Hæmaturia.....	1
Neuralgia of the Bladder.....	1
Incontinence of Urine	4
Retention of Urine.....	3
Prostatitis:	
Acute	2
Chronic	1
Hypertrophy of the Prostate Gland.....	21

Gonorrhœa and its Complications.

Gonorrhœa	124
Balanitis	20
Phimosis	11
Paraphimosis	2
Gonorrhœal Bubo.....	61
Epididymitis.....	21
Cystitis	5
Gonorrhœal Synovitis	2
Gleet	31

Carried forward..... 1,312

Brought forward..... 1,312

Male Urethra.

Urethritis (simple).....	19
Stricture of the Urethra.	63
Traumatic.....	2
Spasmodic.....	2
Urinary Abscess	5
Urinary Fistula.....	2
Rupture of Urethra.....	1

Skin.

Erythema	1
Intertrigo	2
Urticaria	2
Herpes.....	8
Herpes Zoster	4
Seborrhœa	1
Eczema	75
Dermatitis.....	46
Acne.....	1
Sycosis.....	2
Chilblain	3
Frostbite	35
Ulcer	203
Fissures.....	1
Boil	99
Carbuncle	23
Malignant Pustule	1
Onychia.....	57
Whitlow	36
Hypertrophy of the Skin.....	10
Sebaceous Tumor.....	47
Warts.....	21
Inflamed Callous.....	3
Condyloma	1
Molluscum	1
Keloid	2
Lupus.....	3
Rodent Ulcer	1
Ingrown Nail	35
Hypertrophy of Nail.....	2
Onychogryphosis.....	4
Pilonidal Sinus	4
Bromidrosis	1
Scabies	6
Pediculi Capitis.....	3
Poisoning by Ivy.....	6

Cellular Tissue.

Inflammation of the Cellular Tissue	242
Diffuse Inflammation of the Cellular Tissue	10
Abscess of the Cellular Tissue.	43
Palmar Abscess	11

Blood, and of the Blood-making Glands.

Chlorosis	2
-----------------	---

Carried forward..... 2,464

Brought forward 2,464*Generative Organs.*

Warts of the Penis.....	4
Venereal Sores of the Penis..	15
Chancre.....	14
Chancroid.....	32
Herpes Progenitalis.....	4
Phimosis.....	17
Paraphimosis.....	7
Cancer of the Penis.....	1
Seminal emissions.....	2
Inflammation of the Scrotum.	3
Hydrocele.....	30
Hæmatocele.....	1
Spermatocele.....	1
Varicocele.....	17
Orchitis.....	4
Acute.....	1
Chronic.....	1
Epididymitis.....	16
Syphilitic Disease of the Testicle.....	1
Tuberculous Disease of the Testicle.....	4
Non-malignant Tumors of the Testicle.....	1
Malposition of the Testicle...	2
Spermatorrhœa.....	2
Abscess of the Fallopian Tube	1
Tubercle of the Fallopian Tube	1
Vaginitis.....	3
Leucorrhœa.....	1
Abscess of the Vagina.....	1
Vulvitis.....	2
Abscess of the Labium.....	2

Female Breast.

Inflammation.....	1
Acute.....	2
Abscess of the Breast.....	9
Ulcerated Nipple.....	1
Cancer of the Breast.....	7
Non-malignant Tumors of the Breast.....	9

Nervous System.

Chronic Hydrocephalus.....	1
----------------------------	---

Spinal Cord and its Membranes.

Infantile Paralysis.....	2
Locomotor Ataxia.....	2

Nerves.

Neuritis.....	2
Rheumatic.....	7
Traumatic.....	1
Pressure Paralysis..	3
Crutch ".....	1

Carried forward..... 2,703*Brought forward* 2,703*Functional Diseases of the Nervous System.*

Epilepsy.....	2
Hysteria.....	2
Alcoholism.....	1
Neuralgia.....	7
Intercostal.....	3
Sciatica.....	10
Coccydynia.....	1
Irritable Cicatrix.....	1
Hyperæsthesia.....	3
Anæsthesia.....	1
Neurasthenia.....	3
Hypochondriasis.....	10
Sexual Hypochondriasis.....	10

Eye.

Conjunctivitis.....	1
Purulent Conjunctivitis.....	2
Stye.....	2
Abscess in the Meibomian Glands.....	1
Ectropium.....	1

Ear.

Otitis.....	1
Abscess of the Meatus.....	2
Foreign body in Ear.....	1
Median Otitis.....	1
Disease of the Mastoid Cells.	1

Nose.

Epistaxis.....	1
Ozæna.....	1
Deviation of Septum.....	4
Separation of Cartilage.....	1
Foreign Body in Nose.....	2

Bones.

Periostitis.....	42
Ostitis.....	2
Chronic Abscess of Bone.....	2
Caries.....	16
Necrosis.....	46
Osteo Malacia.....	1
Hypertrophy of the Bones....	2
Cancer of the Bones.....	1
Non-malignant Tumors of the Bones.....	1
Rickets.....	6
Dactylitis.....	1
Tubercular.....	3
Syphilitic.....	1

Joints.

Synovitis.....	125
Acute.....	23
Chronic.....	13

Carried forward..... 3,064

<i>Brought forward</i>	8,064
Arthritis	19
Chronic Tuberculous Arthritis	23
Abscess of Joint	1
Periarticular Abscess	1
Ankylosis	1
Dropsy of the Joints	1
Loose Cartilage	5
Relaxation of the Ligaments of a Joint	1
Bow-leg	7
Flat-foot	43
Acquired	8
Neuralgia of a Joint	1

Spine.

Caries and Necrosis of the Vertebrae	8
Psoas Abscess	3
Lumbar Abscess	1
Scoliosis	7

Muscles.

Myositis	1
Cyst	1
Ruptured Biceps	1
Myalgia	8
Ruptured Gastrocnemius	1

Tendons.

Teno-synovitis	51
Ganglion	18
Contraction of Tendons	3
" " Fasciae	1
Club-foot	1
Talipes Equino-varus	1
Talipes Valgus	1
Talipes Equinus	3
Contracted Palmar Fascia	1
Contracted Plantar "	1
Wry-neck	3
Dupuytren's Contraction	3
Hammer Toe	5

Bursæ.

Enlarged Bursa Patellæ	13
" " over Olecranon	3
Bursitis	30
Bursal Abscess	3
Bunion	14

*Injuries.**General Injuries.*

Sprains	16
Strains	3
<i>Carried forward</i>	3,380

<i>Brought forward</i>	3,380
Wounds	7
Incised	62
Contused	20
Punctured	14
Poisoned	67
Burns	121
Electric wire	3
Scalds	10
Hæmatoma	7
Gunshot wounds	6

*Local Injuries.**Of the Head.*

Contusion	14
Cephalæmatoma	1
Scalp-wound: bone not exposed	207
Scalp-wound: bone exposed	6
Fracture, Compound, without depression	1
Fracture of the Base of the Skull	1
Bullet wound	6

Of the Face.

Contusion	36
Wound	140
Foreign Bodies in the Ear	1
" " " Nose	1
Fracture of Nose	10
" " " compound	1
" " Lower Jaw	12
Dislocation of the Jaw	3

Of the Eye.

Contusion	1
Foreign Bodies in the Cornea	1
Foreign Bodies in the Cavity of the Eye	1
Wound of Eyelids	6

Of the Neck.

Contusion	3
Wound of the Neck	1
Superficial	5
Penetrating	1
Gunshot	1
Foreign Bodies in the Oesophagus	1

Of the Chest.

Contusion	67
Fracture of Ribs or Costal Cartilages without injury to the lung	46
Fracture of the Ribs or Costal Cartilages with injury to the lung	1

Carried forward

4,272

<i>Brought forward</i>	4,272	<i>Brought forward</i>	5,899
Fracture of the Sternum	2	Dislocation of the Elbow	14
Wound of the Thoracic Pari-		" " " Thumb	1
etes	4	" " " Phalanges	2
		Dislocation of the Phalanges,	
<i>Of the Back.</i>		Comp.	1
Contusion	24		
Sprain	52	<i>Of the Lower Extremities.</i>	
Wound	4	Contusion	166
		Sprain	125
<i>Of the Abdomen.</i>		Wound	161
Contusion	3	Wounds of the Joints	1
Wound of the Abdominal Pari-		Foreign Bodies embedded	16
etes	17	Septic Wounds	34
Foreign Bodies in the Stomach,	2	Lacerated Wounds	11
		Fracture of the Femur	15
<i>Of the Pelvis.</i>		" " " " Comp. ..	1
Contusion	2	" " " Patella	10
Fracture or dislocation of the		" " " Tibia	25
Pelvis	2	" " " " Comp. ..	1
		" " " Fibula	56
<i>Of the Upper Extremities.</i>		Fracture of the Tibia and Fib-	
Contusion	278	ula	69
Sprain	209	Fracture of the Tibia and Fib-	
Wound	416	ula, Comp.	2
Foreign Bodies	33	Fracture of the Bones of the	
Separation of Epiphyses	4	Foot	21
Septic Wounds	93	Ununited Fracture	1
Lacerated Wounds	110	Dislocation of the Knee	1
Subluxation of Clavicle	2	Dislocation of the Phalanges,	
Fracture of the Clavicle	63	Comp.	1
" " " Scapula	8		
" " " Humerus	38	<i>Not Classified.</i>	
" " " " Comp.	1	Rupture of Muscles	1
Ununited Fracture of Hume-		Rupture of Tendons	1
rus	1	Wound of Nerve	1
Fracture into Shoulder Joint,	2		
Subluxation of Humerus	4	<i>Poisoned Wounds.</i>	
Subluxation of Radius	5	Stinging Insects	6
Fracture of Radius	98		
" " " Comp.	1	<i>Congenital Malformations.</i>	
" " Ulna	13	Single Harelip	2
" " " Comp.	4	Fissure of the Palate	1
" " Radius and Ulna	18	Spina Bifida	2
" " Radius and Ulna,		Malformation of Finger	1
Comp.	2	Testicle retained in the Abdo-	
Fracture of Olecranon	1	men	1
" " Elbow Joint	8	Testicle retained in the Inguil-	
" " External Condyle,	7	nal Canal	1
" " Internal "	7		
" " Carpus	1	<i>Medical Cases.</i>	
" " Metacarpus	23	No Disease	30
" " " Comp.	3	No Diagnosis	187
" " Phalanges	23		
" " " Comp. ..	9	<i>Not Classified.</i>	
Ununited Fracture of Forearm,	1	Lumbago	12
Dislocation of the Acromio-		Not Treated	11
clavicular Joint	3	Mal perforans	1
Dislocation of the Shoulder ...	20	Idiopathic œdema	1
Dislocation of the Shoulder,		Anæmia	1
Comp.	6		
<i>Carried forward</i>	5,899	<i>Carried forward</i>	6,894

<i>Brought forward</i>	6,894	<i>Brought forward</i>	7,085
Jaundice.....	1	To Throat O. P. Department,	33
Dog-bite.....	2	To Superintendent.....	54
Horse-bite.....	1	For Admission.....	87
Stuttering	1	" Advice.....	17
Morton's Disease.....	1	Lying-In Hospital.....	1
		Children's Hospital.....	11
		Boston Dispensary	8
		Harvard Dental School.....	3
		Carney Hospital.....	4
		Eye and Ear Infirmary.....	1
		Other Institutions.....	25
		Refused Treatment.....	11
		Not treated — able to pay	1
			<hr/>
		Grand Total.....	7,341
<i>Transfers.</i>			
Transferred:			
To Medical O. P. Department,	84		
" Woman's "	9		
" Eye "	14		
" Ear "	6		
" Skin "	47		
" Nervous "	25		
	<hr/>		
<i>Carried forward</i>	7,085		

OUT-PATIENT DEPARTMENT.

DISEASES OF THE EYE.

IN CHARGE OF DRS. WADSWORTH, JACK, AND LANCASTER.

From February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	Males.	Females.	Total.
CONJUNCTIVA.			
Conjunctivitis, catarrhal	147	201	348
“ phlyctenular	10	33	43
“ blenorrhœal	1	2	3
“ gonorrhœal	1	.....	1
“ traumatic	1	2	3
Blenorrhœa neonatorum	1	.....	1
Trachoma	11	13	24
Ecchymosis	9	.....	9
Burns	1	.....	1
Pinguecula .....	.....	2	2
Pterygium	2	1	3
Foreign bodies	1	.....	1
CORNEA AND SCLEROTICA.			
Keratitis	5	7	12
“ interstitial	3	4	7
“ phlyctenular	29	62	91
“ fascicular .....	.....	2	2
“ traumatic	1	1	2
Ulcer	24	21	45
Opacity	14	24	38
<i>Carried forward</i>	261	375	636

DISEASES OF THE EYE. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	261	375	636
Adherent leucoma.....	4	4	8
Pannus.....	1	.....	1
Burns.....	4	1	5
Wounds.....	10	4	14
Staphyloma.....	2	3	5
Episcleritis .....	.....	1	1
Foreign bodies.....	54	5	59
Staphyloma (posterior).....	2	.....	2
Dermoid cyst .....	.....	1	1
VITREOUS.			
Floating opacities.....	1	1	2
Muscae volitantes (physiological) .....	.....	6	6
LENS.			
Cataract.....	6	7	13
" senile	7	8	15
" traumatic.....	3	.....	3
" lamellar.....	1	1	2
Dislocation	3	1	4
Lens adherent.....	1	.....	1
Hemorrhage (anterior chamber).....	1	.....	1
After removal of cataract.....	2	.....	2
GLOBE.			
Phthisis bulbi.....	2	1	3
Foreign body in the globe.....	2	1	3
Disorganization from injury, seen after enu- cleation	1	.....	1
REFRACTION AND ACCOMMODATION.			
Myopia.....	21	42	63
<i>Carried forward</i>	389	462	851

DISEASES OF THE EYE. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	389	462	851
Hypermetropia	40	121	161
Anisometropia	1	.....	1
Astigmatism	50	137	187
Presbyopia	25	74	99
Asthenopia	15	46	61
Headache	1	7	8
LACHRYMAL APPARATUS.			
Blenorrhœa of sac	1	4	5
Abscess of sac	8	1	4
Stricture of nasal duct .....	.....	1	1
Epiphora	1	7	8
Dacryo-cystitis	1	6	7
LIDS.			
Blepharitis	16	21	37
Hordeolum	1	9	10
Abscess .....	.....	2	2
Epithelioma .....	.....	1	1
Chalazion	18	18	36
Entropion	1	1	2
Ectropion	1	4	5
Trichiasis	2	4	6
Ecchymosis	2	.....	2
Œdema	1	.....	1
Eczema .....	.....	1	1
Xanthelasma .....	.....	1	1
Wounds .....	.....	1	1
Herpes Zoster	1	.....	1
<i>Carried forward</i>	570	929	1,499

DISEASES OF THE EYE. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	570	929	1,499
Milium		1	1
Epicanthus	1		1
Foreign body	2		2
Hæmatoma	1		1
NERVES AND MUSCLES.			
Convergent strabismus	8	19	27
Divergent strabismus	3	8	11
Paralysis of fourth pair	1	1	2
" " sixth pair	1	2	3
Exophoria	1		1
Hyperphoria	1		1
Ophilia	2		2
Orthophoria		1	1
Monocular diplopia	1		1
IRIS, CILIARY BODY, AND CHOROID.			
Iritis	11	8	19
" traumatic	1		1
" syphilitic	1	1	2
Cyclitis	1		1
Choroiditis	2	2	4
" disseminata		1	1
Glaucoma	3		3
Prolapse of Iris	1		1
Anterior synechiæ	1		1
Irregular pupil		1	1
RETINA AND OPTIC NERVE.			
Retinitis	1	2	3
<i>Carried forward</i>	614	976	1,590

DISEASES OF THE EYE. — *Concluded.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	614	976	1,590
Retinitis pigmentosa		1	1
“ Bright’s	1	1	2
“ choroido.		1	1
Separation of retina	2		2
Neuritis		2	2
Atrophy of optic nerve	9	1	10
Amblyopia	2	1	3
“ ex abusu	1		1
Hemiopia	1	1	2
Central hemorrhage		1	1
MISCELLANEOUS.			
No Disease	15	7	22
No Diagnosis	32	40	72
No Treatment	12	17	29
Refused Treatment	2	4	6
Recommended for admission to Hospital	3		3
Referred to Surgical Department	1	1	2
“ “ Medical “	4	3	7
“ “ Throat “	1	4	5
“ “ Nervous “	4	6	10
“ “ Gynecol. “		1	1
After enucleation	2		2
Injury to eye	1		1
Total Diseases	707	1,068	1,775
Patients counted twice	32	82	114
Total Patients	675	986	1,661

OUT-PATIENT DEPARTMENT.

DISEASES OF THE SKIN.

IN CHARGE OF DRS. WIGGLESWORTH, HOWE, TOWLE, AND HARDING.

From February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	Males.	Females.	Total.
Abscess	1	.....	1
Acne	31	49	80
Adenitis.....	.....	1	1
Alopecia	7	6	13
" Acreta	4	5	9
Callositas .....	.....	1	1
Chloasma.....	.....	1	1
Cornu Cutaneum.....	.....	1	1
Chancroid	1	.....	1
Dermatitis.....	5	3	8
" Calorica	1	3	4
" Exfoliativa .....	.....	1	1
" Herpetiformis	1	1	2
" Medicamentosa	4	1	5
" Papillaris Capillitii.....	1	.....	1
" Traumatica.....	.....	1	1
" Venenata	20	6	26
Eczema	123	148	271
Erysipelas.....	1	3	4
Epithelioma	3	3	6
Erythema Multiforme.....	2	6	8
<i>Carried forward.....</i>	205	240	445

DISEASES OF THE SKIN. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	205	240	445
Erythema Simplex	2	3	5
Fibroma		1	1
Furunculus	7	4	11
Herpes Simplex	3	4	7
“ Zoster	8		8
Hyperidrosis	3		3
Ichthyosis	1		1
Impetigo	14	19	33
“ Contagiosa	8	2	10
Keloid	1		1
Keratosi Senilis	1	1	2
Lupus Vulgaris	2	1	3
“ Erythematosus	1	1	2
Maculæ Atrophicæ		1	1
Milium	1		1
Miliana Rubra		1	1
Morbilli		1	1
Molluscum Epithelialæ	1	1	2
Nævus Pigmentosus		2	2
Onychia	1	3	4
Pediculosis Capillitii	5	25	30
“ Corporis	9	1	10
“ Pubis	2		2
Pityriasis Mac. et Circinata	2	1	3
Pruritus	5	5	11
Psoriasis	15	12	27
Purpura Hæmorrhagica	1		1
<i>Carried forward</i>	299	329	628

DISEASES OF THE SKIN. — *Concluded.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	299	329	628
Rosacea	1	1	2
Scabies	29	23	52
Sebaceous Cyst	1	1	2
Scrofuloderma		6	6
Seborrhœa	6	18	24
Sycosis Vulgaris.....	6		6
Syphilis	31	44	75
Tinea Favosa	4		4
“ Circinata	10	8	18
“ Tonsurans.....	15	4	19
“ Versicolor	7	3	10
“ Sycosis.....	13		13
Ulcer	8	11	14
Urticaria	16	20	36
Varicella	1	4	5
Verruca		4	4
Vitiligo	1	1	2
No Diagnosis	2	5	7
No Disease.....	3	1	4
Referred to other Departments	3	6	9
Refused Treatment.....		1	1
Total	451	490	941

OUT-PATIENT DEPARTMENT.

DISEASES OF THE NERVOUS SYSTEM.

IN CHARGE OF DRS. PRINCE, KNAPP, AND BULLARD.

From February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	Males.	Females.	Total.
I. DISEASES OF THE PERIPHERAL NERVES.			
<i>a. Motor Nerves —</i>			
Neuritis	3	4	7
Traumatic Neuritis.....	2	1	3
Multiple Neuritis.....	3	2	5
Alcoholic Neuritis.....	1	.....	1
Median Neuritis.....	1	.....	1
Ulnar Neuritis .....	.....	1	1
Intercostal Neuritis.....	1	.....	1
Brachial Neuritis.....	1	.....	1
Deltoid Paralysis	3	.....	3
Musculo-spiral Paralysis.....	5	.....	5
Axillary Paralysis.....	1	.....	1
Erb's Paralysis	1	.....	1
Radial Paralysis	2	.....	2
Median Paralysis.....	1	.....	1
Ulnar Paralysis	3	.....	3
Paralysis of Cervical Nerve-roots.....	1	.....	1
Brachial Paralysis.....	2	.....	2
Facial Paralysis.....	4	1	5
Diphtheritic Paralysis	10	2	12
<i>Carried forward.....</i>	45	11	56

DISEASES OF THE NERVOUS SYSTEM. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	45	11	56
Obstetric Paralysis		1	1
Paralysis of 3d Nerve		1	1
Paralysis of 6th Nerve.....	1	2	3
Paralysis of Vocal Cords.....	1		1
Paralysis of various Peripheral Nerves	7	1	8
<i>b. Sensory Nerves —</i>			
Optic Neuritis	1		1
Neuralgia		1	1
Trifacial Neuralgia.....	4	5	9
Intercostal Neuralgia.....		1	1
Cervical Neuralgia		1	1
Brachial Neuralgia.....	1	2	3
Traumatic Neuralgia	1		1
Cephalalgia.....	11	7	18
Sciatica	8	7	15
Lumbago	4		4
Paræsthesia	2	5	7
Æro-Paræsthesia		1	1
Traumatic Anæsthesia.....		1	1
Radial Anæsthesia.....	1		1
Odontalgia	1		1
Optic Atrophy	2		2
Hemianopsia	1		1
II. VASO-MOTOR AND TROPHIC DISTURBANCES.			
Herpes Zoster	1		1
Migraine	1	3	4
Acromegalia		1	1
<i>Carried forward</i>	93	51	144

DISEASES OF THE NERVOUS SYSTEM. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	98	51	144
Exophthalmic Goitre		3	3
III. DISEASES OF THE SPINAL CORD.			
Tabes Dorsalis	12	5	17
Syringo-Myelia	1	1	2
Transverse Myelitis		1	1
Syphilitic Myelitis	2		2
Anterio-polio Myelitis		3	3
Ataxic Paraplegia	2		2
Spastic Paraplegia	1	1	2
Spinal Hemorrhage		1	1
Paralysis Agitans	3	2	5
IV. DISEASE OF THE MEDULLA OBLONGATA.			
External Ophthalmoplegia		1	1
V. DISEASES OF THE BRAIN AND ITS MEMBRANES.			
Hemiplegia	11	3	14
Cerebral Hemorrhage	1	1	2
Cerebral Tumor	3		3
Cerebral Syphilis	4	1	5
Cerebral Infantile Paralysis	1		1
Monoplegia, Brachial		1	1
Aphasia	1		1
Meningo-Encephalitis	1		1
VI. PSYCHOSES.			
Hypochondriasis	3		3
Melancholia	2	2	4
Dementia Paralytica	4		4
<i>Carried forward</i>	145	77	222

DISEASES OF THE NERVOUS SYSTEM. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	145	77	222
Feeble-minded	5	3	8
Hallucinations		2	2
Folie-de-doute	1		1
Paranoia	1		1
Defective Speech	1		1
VII. FUNCTIONAL NEUROSES AND UNCLASSIFIED AFFECTIONS.			
Hysteria	2	15	17
Neurasthenia	14	35	49
Chorea	11	9	20
Epilepsy	19	11	30
Vertigo	5	3	8
Insomnia	1	3	4
Hyperexcitability	2		2
Pavor Nocturnus	1	2	3
Traumatic Psychosis	1		1
Vicious Habits		1	1
Morbid Impulses		1	1
Loss of Consciousness		1	1
Nervousness	1	1	2
Seminal Emissions	1		1
Sexual Excess	1		1
Involuntary Movements (Left Extremities)		1	1
VIII. POISONING.			
Lead	7		7
Alcohol	12		12
Morphine	1		1
<i>Carried forward</i>	232	165	397

DISEASES OF THE NERVOUS SYSTEM. — *Continued.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	232	165	397
Opium		1	1
Tobacco.....	1		1
IX. MISCELLANEOUS.			
Rheumatism	7	3	10
Rheumatism, Muscular	1		1
Rheumatoid Arthritis	3		3
Periarthritis, Traumatic		2	2
Arthritis.....	1	2	3
Synovitis	1	1	2
Teno-synovitis.....	1		1
Floating Cartilage (knee).....	1		1
Spinal Caries		2	2
Talipes Valgus	2		2
Arterio-sclerosis	1		1
Atheroma, Cerebral	1		1
Syphilis	4	1	5
Diabetes	1		1
Nephritis	2	3	5
Anæmia	3	5	8
Debility	1	4	5
Dyspepsia	3	8	11
Constipation		4	4
Malaria	5		5
Cardiac	2	3	5
Phthisis		1	1
Bronchitis		1	1
Aural	2	1	3
<i>Carried forward</i>	275	207	482

DISEASES OF THE NERVOUS SYSTEM. — *Concluded.*

DISEASES.	Males.	Females.	Total.
<i>Brought forward</i>	275	207	482
Otitis Media	2	.....	2
Labyrinth Disease	1	.....	1
Blepharospasm	1	1	2
Hiccough	1	.....	1
Cerebral Concussion	1	.....	1
Contusions	2	.....	2
Fracture Femur	1	.....	1
Injury of Abdomen	1	.....	1
Lacerated Wound of Face	1	.....	1
Chronic Lymphadenitis	1	.....	1
Addison's Disease	1	.....	1
Pregnancy .....	.....	1	1
Climacteric .....	.....	1	1
Referred to other Hospitals .....	.....	3	3
Referred to other Departments	19	16	35
Referred to the House	1	.....	1
No Diagnosis	3	7	10
Not Eligible .....	.....	1	1
Refused Treatment	1	.....	1
Not Examined	1	.....	1
	313	237	550
Patients counted twice	4	3	7
Total Patients	309	234	543

OUT-PATIENT DEPARTMENT.

DISEASES OF THE THROAT.

IN CHARGE OF DRs. DEBLOIS, LELAND, AND FARLOW.

From February 1, 1895, to January 31, 1896, inclusive.

NOSE.

Rhinitis, acute	45	<i>Brought forward</i>	603
Rhinitis, sub-acute	2	Turbinates, Synechia of Sep-	
Rhinitis, chronic	38	tum	3
Rhinitis, atrophic	60	Fracture of Nasal Bones	3
Rhinitis, hypertrophic	110	Fracture of Nasal Bones with	
Rhinitis, purulent	4	depression	2
Rhinitis, ulcerative	2	Foreign Body in Nose	3
Rhinitis, syphilitic	1	Syphilitic Caries, Nasal Bones	1
Deflection of Septum	26	Nasal Polypus	7
Ulceration of Septum	2	New Growths	2
Perforation of Septum	4	Epistaxis	16
Thickening of Septum	1	Chronic Nasal Catarrh	20
Abscess of Septum	1	Hay Fever	2
Spur or Ridges on Septum	28	Eczema of Nose	10
Hæmatoma of Septum	1	Tinea of Nose	1
Exostosis of Septum	1	Empyæma of Antrum	2
Adhesion of Septum	3	Ethmoiditis	

MOUTH, TONGUE, AND PHARYNX.

Pharyngitis, acute	31	Peritonsillitis	1
Pharyngitis, sub-acute	5	Tonsillar Abscess	3
Pharyngitis, chronic	50	Peritonsillar Abscess	9
Pharyngitis, follicular	21	Hypertrophy of Tonsils	85
Pharyngitis, syphilitic	10	Cyst of Tonsil	1
Pharyngitis, rheumatic	1	Malignant Disease of Tonsil ..	1
Pharyngitis, alcoholic	2	Tuberculosis (?) of Tonsil	1
Pharyngo-mycosis	3	Syphilitic Ulceration of Tonsil	
Pharyngeal Cicatrices	1	and Palate	3
Post-diphtheritic Paralysis	5	Adenoids (Luschka's Tonsil) ..	72
Diphtheria	12	Hypertrophy of Lingual Ton-	
Retro-pharyngeal Abscess	1	sil	3
Sarcoma of Pharynx	1	Elongated Uvula	7
Epithelioma of Pharynx	1	Œdema of Uvula	1
Lupus of Palate and Tonsils ..	1	Ulcer of Hard Palate	1
Herpes of Palate	2	Stomatitis	5
Laceration of Anterior Pillars		Thrush	1
of Fauces	1	Oral Catarrh	1
Syphilitic Ulceration of Palate ..	3	Enlarged sub-lingual Gland ..	1
Tonsillitis, acute	58	Herpes Lingualis	1
Tonsillitis, sub-acute	5	Ulcer of Lip	1
Tonsillitis, chronic	15	Alveolar Abscess	2
Tonsillitis, follicular	42	Periostitis of Jaw	1
Tonsillitis, ulcerative	3		
<i>Carried forward</i>	603	<i>Carried forward</i>	877

LARYNX.

<i>Brought forward</i>	877	<i>Brought forward</i>	1,154
Laryngitis, acute	32	Papilloma of Cords	2
Laryngitis, sub-acute	30	Laryngismus	1
Laryngitis, chronic	20	Ulceration of Epiglottis	1
Laryngitis, hypertrophic	1	Malignant Disease of Larynx	3
Laryngitis, tubercular	14	Tumor of Larynx	1
Perichondritis, Laryngeal	1	Displacement of Left Arytenoid	1
Edema of Larynx	2	Interarytenoid Thickening	4
Relaxation of Vocal Cords	6	Supposed Foreign Body in Larynx	1
Paralysis of Vocal Cords	4		
Post-diphtheritic Paralysis of Cords	1		

UNCLASSIFIED.

Undiagnosed Cases, Cases referred to other Departments, etc.	96	Paresthesia	1
Specific	43	Sarcoma	1
Debility	3	Parotitis	1
Anæmia	6	Gastric	2
Coryza	1	Traumatic Stricture of Œsophagus	1
Influenza	1	Spasmodic Stricture of Œsophagus	1
Asthma	1	Enlarged Cervical Glands	15
Bronchitis	7	Enlarged Sub-maxillary Gland	1
Cough, following Pertussis	1	Old Injury to Neck	1
Scarlatina	1	Facial Paralysis	1
Rheumatism	3	No Disease	15
Rheumatic Torticollis	1		
Cephalalgia	1	Total Diseases	1,208
Hyperæmia	1	Patients counted twice	72
<i>Carried forward</i>	1,154	Total Patients	1,136

OUT-PATIENT DEPARTMENT.

DISEASES OF THE EAR.

IN CHARGE OF DRs. GREEN, LELAND, SPEAR, AND DOBLE.

From February 1, 1895, to January 31, 1896, inclusive.

DISEASES.	Right.	Left.	Both.
AURIS EXTERNÆ.			
<i>Auriculæ.</i>			
Inflammationes :			
Abscessus lobuli	2	.....	.....
Cystis.....	2	.....	.....
Eczema squamosum.....	5	.....	1
“ rubrum	1	.....	1
<i>Meatus Cutis.</i>			
Anomalie secretionum :			
Accumulatio ceruminis	18	26	49
“ epitheliæ	1	.....	.....
Inflammationes :			
Eczema .....	.....	.....	1
Furunculosis.....	1	.....	.....
Otitis externa circumscripta acuta	2	1	.....
“ “ diffusa acuta.....	4	2	.....
“ “ “ chronica	2	.....	.....
<i>Meatus Ossis.</i>			
Caries.....	1	.....	.....
Exostosis.....	1	.....	.....
Malignant growth .....	.....	1	.....
Carried forward	40	30	5

DISEASES OF THE EAR. — *Continued.*

DISEASES.	Right.	Left.	Both.
<i>Brought forward</i>	40	30	52
Deformitates:			
Atresia acquisita	1	.....	.....
Corpora adventitia.....	2	2	.....
AURIS MEDIA.			
<i>Membranæ Tympanæ.</i>			
Perforatio traumatica	1	.....	.....
Trauma directa	1	1	.....
<i>Tympani et Mastoidæ.</i>			
Inflammationes:			
Otitis catarrhalis serosa acuta	1	.....	.....
“ “ mucosa “	4	.....	.....
“ “ “ chronica.....	4	9	27
“ “ adhæsiva	2	1	5
“ “ “ ex secernente....	5	6	11
“ “ “ insidiosa	4	5	16
“ media acuta simplex	14	8	3
“ “ “ (attic and atrum) .....	.....	1	.....
“ “ suppurativa acuta.....	12	10	5
“ “ “ chronica	17	10	16
“ “ “ cum perforatione ..	34	20	11
“ “ “ “ polypo	3	1	.....
“ “ “ “ carie ossiculæ,	3	3	.....
“ “ “ “ “ mastoidæ	4	.....	.....
Otitis media suppurativa cum perforatione membranæ flaccidæ.....	1	.....	.....
Otitis media suppurativa cum granulatione membranæ tympani	1	3	.....
<i>Carried forward</i>	154	110	146

DISEASES OF THE EAR. — *Continued.*

DISEASES.	Right.	Left.	Both.
<i>Brought forward</i>	154	110	146
Otitis media suppurativa cum ostitide mastoi- dæ	3	.....	.....
Otitis media suppurativa cum ostitide mastoi- dæ (convalescence) .....	.....	1	.....
Effectus otitis media acuta	3	.....	.....
“ “ “ suppurativa	18	12	8
“ “ “ cum perforatione	2	2	.....
“ “ “ cum perforatione con- glutinata.....	6	2	1
“ “ “ cum perforatione et con- glutinata degen. calc. ....	.....	.....	1
“ “ “ cum perforatione mem- branæ flaccidæ .....	.....	1	.....
“ “ “ parotitis .....	.....	.....	1
<i>Neuroses Auris Mediæ.</i>			
Surditas senilis .....	.....	.....	4
Tinnitus.....	1	.....	4
Otalgia	2	.....	1
“ nasalis.....	.....	.....	1
“ dentalis.....	1	.....	4
“ pharyngealis .....	.....	.....	3
Vasis-motoriæ .....	.....	.....	1
LABYRINTHI ET ACUSTICI.			
Labyrinthitis chronica	1	.....	3
Anæmia labyrinthi .....	.....	.....	1
Concussio “	1	.....	.....
Aural vertigo .....	.....	.....	3
Morbi acustici	1	.....	.....
Hyperæsthesia acustici.....	.....	.....	2
<i>Carried forward</i>	193	128	184

DISEASES OF THE EAR. — *Concluded.*

DISEASES.	Right.	Left.	Both.
<i>Brought forward</i>	193	128	184
Menière's disease.....			2
Deaf-mutes (congenital)			2
NARIUM ET NASO-PHARYNGIS.			
<i>Rhinitis.</i>			
Hypertrophica			9
Atrophica			2
Hyperplasie tonsillæ pharyngis			10
Pharyngitis			1
Polypi			1
Abscessus septi.....			1
Scoliosis "			1
Carcinoma of Antrum			1
Sarcoma (?) of left side of neck and larynx....		1	
UNCLASSIFIED.			
Referred to other departments.....			15
No diagnosis			48
No disease			3
Unfit.....			6
Refused treatment			3
Totals	193	129	289

Total diseases	611
Patients counted twice	27
Total patients	584
Males..... 293	Females..... 291

OUT-PATIENT DEPARTMENT.

DISEASES OF WOMEN.

IN CHARGE OF DRs. HAVEN AND REYNOLDS.

From February 1, 1895, to January 31, 1896, inclusive.

<i>Diseases of the Vulva.</i>		<i>Brought forward</i>	97
Bartolini's Glands	2	Fibro-myoma, subse-	
Chancroid	2	rous	5
Condylomata of vulva and anus	1	Enlarged uterus.....	4
Papilloma	1	No diagnosis.....	3
Pruritus.....	1	d. Unclassified:	
Vulvo-vaginal abscess	4	Subinvolution.....	11
Vulvo-vaginal cyst	3	Lacerated cervix	54
Varicose veins of labia	1	e. Displacements:	
Wen.....	1	Anteflexion of cervix ..	21
		" " corpus..	22
		Anteversion	2
<i>Diseases of Vagina.</i>		Latero-version	4
Cyst of Vagina.	1	Slight descent	1
Laceration.....	1	Prolapse	18
Relaxation.....	1	Procidentia	2
Prolapse of anterior wall.....	5	Retrocession	21
" " posterior "	1	Retroflexion	9
Prolapse of posterior and ante-		Retroversion... ..	71
rior wall.....	2	Retroversion with adhe-	
Vaginitis, simple.....	7	sions.....	6
" granular.....	2	Retroversion with preg-	
" senile	2	nancy.....	1
" purulent.....	8	Retrogression and retro-	
" gonorrhœal	11	flexion	1
<i>Diseases of the Uterus.</i>		<i>Diseases of Uterine Appendages.</i>	
a. Developmental:		Enlarged ovary	8
Infantile.....	7	Hydrosalpinx	1
Pin-hole os	2	Mass in the broad ligaments..	3
b. Inflammatory:		Ovaritis	2
Cervicitis.....	1	Ovarian tumor	5
Endocervicitis.....	5	Pelvic abscess.....	1
Endometritis.	5	" peritonitis	18
Hyperplasia	1	" congestion.....	1
c. New growths:		" tenderness.....	3
Malignant disease of		Prolapse of ovary.....	10
cervix.....	9	Salpingitis.....	18
Malignant disease of		Sensitive ovary.....	1
cervix, liver, and ax-		Tension in broad ligaments. .	1
illa	1	Tubo ovarian	36
Malignant disease of		Tumor in left lateral cul-de-sac	1
corpus	8		
Fibroids.....	7	<i>Functional Diseases.</i>	
Fibro-myoma, interstitial,	2	Amenorrhœa.....	12
Fibro-myoma, submu-		Menopause	2
cous	2	Menorrhagia.....	5
<i>Carried forward</i>	97	<i>Carried forward</i>	475

<i>Brought forward</i>	475	<i>Brought forward</i>	562
Metrorrhagia	6	Hæmorrhoids	5
Dysmenorrhœa	4	Lumbago	1
<i>Diseases of Urinary Organs.</i>		Lactation	1
Caruncle of meatus urethræ..	3	Mass in Douglass fossa.....	2
Congestion	1	Neurasthenia	1
Cystitis	11	Puberty	1
“ tubercular	3	Pain after operation	1
Cystocele	6	Pregnancy	50
Cystocele and rectocele.....	1	Prolapse of rectum.....	1
Incontinence of urine.....	4	Rectocele	9
Lythiasis	1	Ruptured perineum.....	24
Papilloma urethræ	1	Sterility	6
Pyelitis	1	Syphilis.....	8
Ulcers of bladder	4	Threatened miscarriage.....	1
Urethritis	1	Uræmia of pregnancy.....	1
Urethracele.....	1	Nothing gynæcological found.	13
Urethral tumor.....	1	No diagnosis made	72
Unclassified	1	Not examined	8
<i>Unclassified.</i>		Examination refused	12
Abortion	2	Treatment refused.....	6
After abortion (retained se-		Referred from House.....	1
cundæ).....	3	Referred to House.....	65
Abdominal tumor.....	1	“ “ “ for diagnosis	5
Anæmia and chlorosis	4	“ “ Medical O.P.D....	48
Constipation.....	20	“ “ Surgical “ ...	9
Convalescence from cæliot-		“ “ Skin “ ...	8
omy	1	“ “ Nervous “ ...	8
Debility.....	2	“ “ St. Luke's Hospital,	1
Ectopic gestation.....	2	Lesions and conditions ob-	
Inguinal hernia	1	served	930
Hernia	1	Patients counted more than	
<i>Carried forward</i>	562	once.....	249
		<i>Total patients</i>	681

SOUTH DEPARTMENT OF THE BOSTON CITY HOSPITAL.

Memorandum: The South Department for infectious diseases was opened for patients August 31, 1895. The "Contagious Service" was abolished on this date, and 110 patients on this date and following, were transferred to the South Department. The statistics of the Contagious Service may be found on page 64, and are from February 1, 1895, to August 31, 1895.

IN CHARGE OF DR. J. H. MCCOLLOM, RESIDENT PHYSICIAN.

From September 1, 1895, to January 31, 1896, inclusive.

DISEASES.	ADMITTED.			DISCHARGED.					
	Males.	Females.	Total.	Well.	Relieved.	Not Treated.	Died.	Total.	In House.
Diphtheria.....	376	468	844	633	5	.....	96	734	110
Scarlet Fever.....	51	66	117	63	1	.....	9	73	44
Diphtheria and Scarlet Fever.....	16	25	41	12	.....	.....	1	13	28
No Disease.....	19	19	38	.....	.....	36	...	36	2
Tonsillitis.....	13	13	26	25	.....	1	.....	26	.....
Measles.....	10	3	13	6	.....	.....	.....	6	7
Scarlet Fever and Varicella.....	5	6	11	10	.....	.....	.....	10	1
Diphtheria and Measles.....	8	4	12	5	.....	.....	2	7	.....
" " Whooping-Cough.....	2	.....	2	1	.....	.....	.....	1	1
" " Erysipelas.....	1	1	2	1	.....	.....	1	2	.....
" " Empyæma.....	.....	1	1	.....	.....	.....	1	1	.....
" " Syphilis.....	1	.....	1	1	.....	.....	.....	1	.....
" " Gangrenous Stomatitis.....	1	.....	1	.....	.....	.....	1	1	.....
Diphtheria, Measles, and Pneumonia ...	1	.....	1	.....	.....	.....	1	1	.....
Scarlet Fever and Pneumonia.....	1	.....	1	.....	.....	.....	1	1	.....
" " Whooping-Cough.....	.....	3	3	3	.....	.....	.....	3	.....
<i>Carried forward.....</i>	500	609	1,109	760	6	37	113	916	193

¹89 of these from Contagious Wards, Main Hospital.

²21 of these from Contagious Wards, Main Hospital.

SOUTH DEPARTMENT. — *Continued.*

DISEASES.	ADMITTED.			DISCHARGED.					
	Males.	Females.	Total.	Well.	Relieved.	Not Treated.	Died.	Total.	In House.
<i>Brought forward</i>	500	609	1,109	700	6	37	113	916	193
Scarlet Fever and Erysipelas.....	2	...	2	...	...	...	...	...	2
Scarlet Fever, Diphtheria, and Varicella.....	3	3	6	3	...	...	...	3	3
“ “ “ “ Pneumonia	1	1	2	...	...	...	2	2	...
Peritonsillar Abscess.....	3	1	4	4	...	...	...	4	...
Stomatitis (Membranous)	1	1	2	2	...	...	...	2	...
Cholera Infantum.....	1	...	1	...	...	...	1	1	...
Pneumonia.....	2	...	2	1	...	...	1	2	...
Diphtheria and Delirium Tremens	1	...	1	1	...	...	...	1	...
Diphtheritic Tonsillitis.....	1	...	1	1	...	...	...	1	...
Tuberculosis of Spine.....	1	...	1	...	...	...	1	1	...
Typhoid Fever.....	1	...	1	...	...	...	...	...	1
Retro-pharyngeal Abscess.....	...	1	1	...	...	...	...	...	1
Diphtheria and Cirrhosis of Liver .....	...	1	1	...	...	...	1	1	...
Diphtheria, Scarlet Fever, and Measles.....	1	...	1	...	...	...	...	...	1
Scarlet Fever and Measles.....	1	...	1	...	...	...	...	...	1
Syphilis.....	1	...	1	...	...	1	...	1	...
Meningitis	1	...	1	...	...	...	1	1	...
Erysipelas	1	...	1	1	...	...	...	1	...
Totals	522	617	1,139	773	6	38	120	937	202

OPERATIONS.	Males.	Females.	Total.	Well.	Died.	Total.	In House.
Intubation.....	38	41	79	31	136	67	12
“ and Tracheotomy	2	2	4	...	34	4	...
Tracheotomy	1	2	3	...	33	3	...
Totals	41	45	86	31	43	74	12

¹ 20 of Broncho-Pneumonia.
8 of Exhaustion.
6 of Sepsis.
2 of Cardiac.

36

² 2 of Broncho-Pneumonia.
1 of Sepsis.
1 of Exhaustion.

4

³ 1 of Sepsis.
1 of Exhaustion.
1 of Cardiac.

3

SOUTH DEPARTMENT. — *Concluded.*

AURAL CASES TREATED IN SOUTH DEPARTMENT.

From August 31, 1895, to January 31, 1896, inclusive.

DISEASES.	ADMITTED.			DISCHARGED.				In House Jan. 31, 1896.
	Right Ear.	Left Ear.	Both Ears.	Well.	Relieved.	Not Relieved.	Died.	
Otitis Media (purulent), following Scarlet Fever....	0	8	15	11	3	....	....	15
Otitis Media (purulent), following Measles .....	....	....	1	....	....	....	1	....
Totals	0	8	16	11	3	....	1	15

PATIENTS TREATED.

Males.....	17
Females	13
	—
One mastoid operation.	30

BEQUESTS.

GOODNOW FUND.—ELISHA GOODNOW, of South Boston, who died in the year 1851, bequeathed to the city "all the rest and residue of my estate, real and personal, not otherwise disposed of," for the purpose of establishing, in the Eleventh or Twelfth Wards of the city, a hospital for the sick; one-half of said fund to be applied for the establishment and maintenance of free beds, which should always be at the disposal and under the control of the officers of the government of said hospital for the time being. Under this will the city came into possession of \$26,000 for the support of free beds.

NICHOLS FUND.—LAWRENCE NICHOLS, who died in September, 1862, made a bequest to the city of the sum of \$2,000 for "the establishment and endowment of a city hospital."

NORCROSS FUND.—1868, January 1. The Trustees received the sum of two thousand dollars from Hon. OTIS NORCROSS, as the foundation of a fund for the benefit of patients leaving the hospital poor and destitute of proper clothing.

Balance on hand, February 1, 1895	.	.	.	\$338 00
Received interest	.	.	.	100 00
				<hr/>
				\$438 00

Balance, January 31, 1896	.	.	.	<hr/> <hr/> \$438 00
---------------------------	---	---	---	----------------------

BALL FUND.—1870, April 1. The Trustees received from the estate of Mr. JONAS BALL the sum of one thousand dollars for the same purpose, and under the same restrictions, as the Norcross Fund.

Balance on hand, February 1, 1895	.	.	.	\$119 68
Received interest	.	.	.	40 00
				<hr/>
				\$159 68

Balance, January 31, 1896	.	.	.	<hr/> <hr/> \$159 68
---------------------------	---	---	---	----------------------

GOODNOW LIBRARY FUND.—1874. Donation of GEORGE GOODNOW, the interest of which to be expended annually by the Board of Trustees in replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence.

Balance on hand, February 1, 1895	.	.	.	\$59 32
Received interest	.	.	.	40 00
				<hr/>
				\$99 32
Expended	.	.	.	48 24
				<hr/>
Balance, January 31, 1896	.	.	.	<u>\$51 08</u>

SHAW FUND.—1875. Bequest of the late MARY LOUISA SHAW, the income of which to be expended by the Trustees for the purchase of flowers and fruit, for the use and comfort of the patients in the hospital.

Balance on hand, February 1, 1895	.	.	.	\$438 38
Received interest	.	.	.	120 00
				<hr/>
				\$558 38
Expended	.	.	.	234 83
				<hr/>
Balance, January 31, 1896	.	.	.	<u>\$323 55</u>

PERKINS FUND.—1889. Bequest of the late MARY G. PERKINS, the income of which is to be expended for books for a medical library at the hospital, and for the purchase of artificial limbs and surgical appliances for the use and relief of patients leaving the hospital.

Balance on hand, February 1, 1895	.	.	.	\$290 57
Received interest	.	.	.	300 00
				<hr/>
				\$590 57
Expended	.	.	.	119 43
				<hr/>
Balance, January 31, 1896	.	.	.	<u>\$471 14</u>

CHEEVER FUND.—1889. Gift of Dr. DAVID W. CHEEVER, senior visiting surgeon, the income of which is to be semi-annually expended by the Trustees, to purchase and present each house surgeon, when his service expires, a pocket case of surgical instruments, as a gift from Dr. DAVID W. CHEEVER.

Balance on hand, February 1, 1895	\$21 11
Received interest	80 00
	<hr/>
	\$101 11
Expended	80 00
	<hr/>
Balance, January 31, 1896	<u>\$21 11</u>

CHARLES P. HEMENWAY FUND.—1894. Gift of Mrs. CHARLES P. HEMENWAY, of \$5,000. The interest of this sum to be expended for a free bed, to be known as the Charles P. Hemenway Memorial Bed.

RECAPITULATION OF CITY HOSPITAL TRUST FUNDS.

<i>Goodnow Fund.</i> —One certificate city of Boston six per cent. stock for \$1,000, one of five per cent. stock for \$4,000, and one of four per cent. stock for \$21,000	\$26,000
<i>Nichols Fund.</i> —One certificate city of Boston six per cent. stock for \$1,000, and one of four per cent. stock for \$1,000	2,000
<i>Norcross Fund.</i> —One certificate city of Boston five per cent. stock	2,000
<i>Ball Fund.</i> —One certificate city of Boston four per cent. stock	1,000
<i>Goodnow Library Fund.</i> —One certificate city of Boston four per cent. stock	1,000
<i>Shaw Fund.</i> —One certificate city of Boston six per cent. stock	2,000
<i>Perkins Fund.</i> —One certificate city of Boston four per cent. bonds	7,500
<i>Cheever Fund.</i> —One certificate city of Boston four per cent. bonds	2,000
<i>Hemenway Fund.</i> —One certificate city of Boston four per cent. bonds	5,000
	<hr/>
	<u>\$48,500</u>

The "Act to incorporate the Trustees of the City Hospitals of the City of Boston" (see Acts and Resolves, 1880, Chap. 174, approved April 7) provides that "money received by it shall be invested by the Treasurer of the city of Boston under the direction of the Finance Committee of said city; and all securities belonging to said corporation shall be placed in the custody of said Treasurer; provided always that both the principal and income thereof shall be appropriated according to the terms of the donation, devise, or bequest, under the direction of said corporations."

HOUSE RULES.

WITH RULES FOR ADMISSION, DISCHARGES, AND GOVERNMENT OF PATIENTS; ALSO RULES FOR VISITORS.

HOUSE RULES.

All employés shall be in their respective places during the hours of duty.

The doors and gates of the Hospital will be closed at 10 o'clock P.M., at which time all inmates shall be quiet, and all not on duty shall be in their rooms.

A record shall be kept of all persons entering the Hospital between the hours of 10 P.M. and 7.30 A.M.

No employés shall be absent from the Hospital, except as permitted by special rules or by the Superintendent.

The use of tobacco, wine, and intoxicating liquors is prohibited within the Hospital, unless prescribed by a physician or surgeon.

All profane and obscene language, loud talking, and incivility are prohibited.

All employés shall observe such further rules and directions for their conduct as may from time to time be established.

ADMISSION OF PATIENTS.

Applications for admission of patients may be made at the Hospital on each day of the week, Sunday excepted, between 9 and 12 o'clock A.M.

Whenever able the patient shall apply in person. When not able to apply in person, on application made by a friend the patient may be visited at his residence.

Any Trustee, or either of the physicians or surgeons in attendance, may, in case of emergency, send a patient in the first instance to the Hospital by written permit.

Persons accidentally wounded, or otherwise disabled or injured, shall be received at all hours.

Permits for admission shall be subject to the approval of the Visiting Committee, and the committee shall, except as above, have power at any time to require the Superintendent to report to them the names of applicants before admitting them, and may dismiss any patient whom they think improperly admitted, or change the terms of admission.

Patients may be admitted by the Trustees to the privileges of the Hospital at such rates of board as the Trustees may, from time to time, determine, payment for such board being secured by the friends of the patients or by the authorities of the city or town to which the patients belong.

Whenever, in the opinion of the Trustees, the circumstances of the patient will warrant it, the whole or part of the board shall be paid. If separate apartments or articles not usually furnished at the Hospital are provided, such payment shall be made therefor as the Trustees shall deem reasonable.

No person having acute venereal disease or alcoholism shall be admitted except as a paying patient.

No person shall be admitted to the Hospital whose case is judged to be incurable, unless there be urgent symptoms which are deemed capable of being relieved.

DISCHARGE OF PATIENTS.

Patients shall be discharged by the Superintendent as before provided.

Patients discharged on the recommendation of the physicians or surgeons shall be provided with a certificate, stating their condition at the time of discharge, whether cured, relieved, or not relieved, which certificate shall be signed by the Superintendent.

Whenever a patient is removed from the Hospital without the approval of the Superintendent, a written statement to that effect shall be required from any person assuming the responsibility of the removal.

In case of the decease of a patient the Superintendent shall sign the death certificate. He shall also state the time and cause of death, the disposition made of the body, whether delivered to friends or buried from the Hospital, in which latter case he shall mention the place of interment.

The body of any person dying at the Hospital shall not be delivered without a written receipt from the party taking the same.

GOVERNMENT OF PATIENTS.

Patients shall implicitly observe all the rules of the Hospital.

Patients shall be in their proper places in the wards during the visits of the physicians and surgeons, between 2 and 3 o'clock on visiting days, and always by 7.30 o'clock P.M., unless specially excused by the Superintendent.

Such free patients as are able shall assist in nursing, and

in such other services as may be reasonably required of them.

No patient shall leave the Hospital grounds without a pass from the Superintendent, nor his ward without the consent of the nurse in charge.

No patient shall purchase, or cause to be purchased for him, any article of food whatsoever, nor any other article, without the consent of the Superintendent.

Profane and obscene language, loud talking, and incivility are prohibited.

Patients may be visited by clergymen of their own selection, and any wish for the performance of any particular religious rite shall be indulged when practicable.

Complaints, for whatever cause, may be made to the Superintendent or Visiting Committee, and when reasonable shall be by them reported to the Trustees.

VISITORS.

No person shall visit any part of the premises, except on business, or at such time as may be fixed for the reception of visitors, without the permission of the Superintendent, or of some one of the Trustees.

On Monday, Tuesday, Thursday, and Saturday of each week, from 2 to 3 o'clock P.M., friends may be permitted to visit patients, though no patient shall receive more than two visitors on the same day. In all cases, however, the Trustees or Superintendent may exercise discretionary powers as to excluding or admitting visitors.

Patients who are considered dangerously ill are permitted to see friends in reasonable numbers, and at reasonable hours during the day, but friends visiting such patients should not remain later than 8 o'clock P.M., and are not permitted to remain all night unless it seems probable that such patients will not live through the night.

All visitors shall leave the Hospital when the bell rings at the expiration of the visiting hour.

No visitor shall take any meal in the Hospital, or pass the night therein, without permission from the Superintendent or one of the Trustees.

No visitor shall be allowed to give any article of food or drink to a patient, unless by permission of the nurse; and any article sent to a patient shall be left with the Superintendent.

RULES OF THE CONVALESCENT HOME.

The department of The Boston City Hospital located at No. 2150 Dorchester avenue, near Milton Lower Mills, in Dorchester, is known as the Convalescent Home, and shall receive such *patients recovering from acute diseases as shall be transferred to it from the main Hospital for treatment during convalescence.*

The Superintendent of the Hospital shall, under the direction of the Trustees, have the control and management of the Convalescent Home, in the same manner as of other departments of the Hospital.

The Superintendent shall appoint, subject to the approval of the Trustees, a Matron, and shall employ under their direction such further assistants as may be necessary for the proper conduct and service of the Home.

The Matron, under the direction of the Superintendent, shall have the immediate charge of the Home, and the control of all nurses and other employés and patients. She shall reside at the Home.

ADMISSION AND DISCHARGE OF PATIENTS.

Patients shall be transferred from the Hospital to the Convalescent Home by the Superintendent, subject to the direction of the Trustees, on recommendation of the Visiting Staff or otherwise; and the Superintendent shall keep a record of all patients so transferred. When patients are so transferred they shall be considered as discharged from the Hospital. Payment of their board shall be required, the same as of patients at the Hospital, but separate apartments shall not be furnished at the Home. No person whose case is judged to be incurable shall be admitted to the Home.

Patients shall not be allowed to remain at the Home for a longer period than two weeks, except on recommendation of the physicians, or for special cause approved in writing by the Superintendent. All patients remaining beyond the period of four weeks shall be forthwith reported to the Visiting Committee, and to the Trustees at their subsequent regular meeting.

Patients when discharged shall be provided with a certificate, stating the date of admission and discharge, and their condition when leaving the Home.

GOVERNMENT OF PATIENTS.

Patients shall implicitly observe all rules established for the government of the Home.

Patients shall rise at 7 o'clock in winter, and at 6.30 in the summer. Breakfast shall be served at 7.30 o'clock in the winter, and at 7 o'clock in the summer; dinner at 12 o'clock, and supper at 5.30 o'clock. Patients shall retire at 8 o'clock during the winter, and at 8.30 o'clock during the summer, and shall be quiet during night hours.

Such patients as are, in the opinion of the Matron, able, shall assist in light domestic work, and perform such other services as may be reasonably required of them, subject to the approval of the Superintendent or physicians.

No patient shall leave the house without permission, nor shall depart from the grounds of the Home without a pass from the Matron.

No patients shall purchase, or cause to be purchased for themselves, any article of food whatsoever, nor any other article, without the consent of the Superintendent or Matron.

Patients shall not talk to one another of their ailments.

Improper language, loud talking, and incivility are prohibited.

Patients may be visited by clergymen of their own selection, and any wish for the performance of a particular religious rite shall be indulged when practicable.

Complaints, from whatever cause, may be made to the Matron, the Superintendent, or Visiting Committee, and if of sufficient importance shall be reported to the Trustees.

VISITORS.

Friends may be permitted to visit patients on week-days, between three and four o'clock in the afternoon. In all cases the Trustees, Superintendent, and Matron may exercise discretionary powers as to excluding or admitting visitors.

Visitors shall leave the Home and grounds at the expiration of the visiting hour, and shall visit no part of the Home or grounds other than the reception-room, except by permission from the proper authority.

No person shall give any article of food or drink to a patient, unless by permission of the Matron.

THE BOSTON CITY HOSPITAL. TRAINING SCHOOL FOR NURSES.

The Trustees of the Boston City Hospital, in 1878, established a Training School for Nurses, in order to give to women desirous of becoming professional nurses a systematic course of training and practice.

The Training School is controlled by the Trustees of the Hospital, like all other departments of the Hospital service. The Superintendent of the Hospital has the general supervision of all matters relating to the school, its course of work and study, lectures and discipline. The Superintendent of Nurses has the immediate charge of all the nursing in the Hospital, of all persons employed in the wards, and also the instruction and management of the nurses in the Training School. All female nurses in the Hospital must be connected with the school.

The course requires two years, and includes general medical and surgical nursing, together with ophthalmic, aural, and gynæcological nursing, and also the nursing of contagious diseases. Maternity nursing is theoretically taught, but there are no maternity wards connected with the Hospital. Those wishing to receive such a course of instruction should apply to the Superintendent of The Boston City Hospital.

The most desirable age for candidates is from twenty-three to thirty-five years. They must be of sound health, and should send with their application a certificate from a physician, certifying to the fact. They should also send a brief personal history, and give the names and addresses of three responsible persons not of their own kin who know of their good character and capabilities. Upon the recommendation of the Superintendent and the approval of the Trustees, they will be received for two months on probation. The fitness of candidates for the training and work, and the propriety of retaining or dismissing them, will be determined by the authorities in charge of the school, under the direction of the Trustees.

At the end of the first month, candidates, if considered satisfactory, are permitted to wear the cap and enter upon

the regular course of training, but such candidates are not permitted to join the school formally until the end of the second month, when, if accepted, they sign an agreement to complete the prescribed course of two years, and to conform to all rules. At the end of the first six months the record and work of each pupil are carefully scrutinized as to her fitness to make a good nurse, and the right is reserved by the authorities of the Hospital to terminate then, or any time, the connection of any pupil or nurse with the school, for inefficiency, misconduct, generally unsatisfactory record, or for any other reason which may be deemed sufficient.

During the first two months pupils are called Probationers, for the remainder of the first year, Junior Nurses, and during the second year, Senior Nurses. Nurses who remain in the Hospital after graduation become Head Nurses.

The nurses in the Training School (including Probationers) reside at the three Nurses' Homes connected with the Hospital, which have rooms for ninety nurses. The houses afford home-like surroundings, and have the best of conditions necessary to good health and personal hygiene.

The Superintendent of Nurses has the immediate charge of the Training School, under the authority of the Superintendent of the Hospital and of the Trustees, and the nurses are subject to the rules of the Hospital, like any other service.

The instruction includes the general care of the sick, the making of beds, changing bed and body linen, managing of helpless patients in bed, etc.; giving baths, keeping patients warm or cool, prevention and dressing of bed-sores, and proper management of the patient under various conditions, with different diseases or injuries; the making and applying of bandages and rollers, preparation of splints, application and management of surgical apparatus, applying of fomentations and poultices, the dressing of burns, ulcers, and wounds, and other minor dressings, cupping, leaching, and subsequent treatment, the administering of enemias, and use of the female catheter.

Nurses are taught how to act in the various emergencies occurring in hospital and private nursing, as well as in the accidents of ordinary life. They are also given lessons in *massage* by a professional instructor. There is a systematic course of training in cookery for the sick, the serving of food and delicacies in the proper manner, and the feeding of helpless patients, or those who resist food.

Instruction is also given in the best practical methods of supplying fresh air, of warming and ventilating sick-rooms in a proper manner, and the proper care of sick-rooms for the best good and comfort of the patient; in keeping all

utensils and appliances perfectly clean and disinfected; in making accurate observations of the pulse, temperature, respiration, expectorations, the secretions, state of the skin, and eruptions; of mental condition as to delirium, stupor, shock, etc.; of the condition as to sleep, appetite, effects of diet or of stimulants and medicines; the behavior of wounds and the after-treatment in surgical operations; and in the managing of convalescents. Nurses are taught the administering of medicines and the application of external remedies, how to take notes on cases, the making up of the nurse's record, and the reports to the attending doctor.

The course of training includes a fixed course of instruction during the two years from manuals and text-books, mainly given by the Superintendent of Nurses, the Assistant Superintendent of Nurses, and graduate head-nurses. Lectures and demonstrations, chiefly upon practical points, are given at stated times by the medical and surgical staff of the Hospital. While the instruction by the manuals, text-books, lectures, demonstrations, quizzes, and models is considerable, the main reliance is upon accurate daily drill in the wards, operating rooms, and other departments of the Hospital. Examinations, both written and oral, are held from time to time by the authorities of the school and by the Hospital staff, and nurses cannot pass to graduation unless attaining, on critical marking, at least seventy per cent.

The pupils are employed as assistant nurses in the wards, operating rooms, and out-patient departments of the Hospital. They are given six months' training in medical wards, and six months' in surgical wards; the remainder of the time to be in such wards or departments as the management may appoint.

Probationers are not paid during their first month, but for the remaining months of the junior year they receive ten dollars (\$10) per month, and for the senior year, fourteen dollars (\$14) per month, to pay for the expenses of their uniform, personal clothing, and other minor requirements. This sum is in nowise intended as wages, it being considered that their education during this time is a full equivalent for their services. When the full term of two years is completed the nurses receive, if they pass all the examinations and are otherwise satisfactory, a diploma certifying to the regular course of training and practice, and are then permitted to wear the graduates' badge of the school.

The majority of graduates engage in private nursing, but some are invited to remain in the service of the Hospital as head-nurses, and receive twenty dollars (\$20), twenty-

five dollars (\$25), thirty dollars (\$30), thirty-five dollars (\$35), per month, with opportunities of promotion. Graduate head-nurses who prefer to remain in hospital work, or return after a term of private nursing, are given post-graduate instructions in ward management, hospital housekeeping, and minor administration.

The school year has no fixed date, but accepted candidates may enter whenever vacancies occur. They are, as a rule, received in the order of acceptance, but those desiring to enter with less delay can generally anticipate a fixed date by placing themselves on the emergency list. When coming to the Hospital they should bring with them the following articles: Three gingham or calico dresses, made plainly; eight large white aprons, made of bleached cotton, with bibs plain at the top and gathered slightly at the bottom, two buttons on the band, with hem at bottom four inches in depth; two bags for soiled clothes; one pair of scissors, a pin ball, and a napkin-ring; a good supply of plain under-clothing — every article to be distinctly marked with indelible ink, with the owner's name. Twenty-one pieces are allowed for the laundry each week.

Nurses must bring suitable outer garments for stormy weather, and they are required to wear noiseless broad-toed and flat-heeled boots. If the teeth are out of order in any way, they must receive attention before coming for the probationary month. Nurses are required to wear the Training School uniform after they join the school. Material for dresses and caps will be sold at cost price.

Hours of duty for day nurses are from 7 A.M. to 8 P.M.; for night nurses from 8 P.M. to 7 A.M. No nurse is required to do both day and night duty on the same day except in rare emergencies. Each nurse on day duty is allowed one hour after 2 o'clock P.M., for rest and recreation, one-half day after 2 P.M. each week, and four hours on Sunday. Two weeks' vacation is allowed each year. If nurses are sick they are cared for in the Hospital, but wages are stopped. Nurses on night duty are required to be in bed until 4 P.M. Nurses may be called upon for four months' regular night duty during the two years' training; besides "special cases" to a limited number.

COURSE OF INSTRUCTION.

JUNIOR YEAR.

Manual of Hospital Nurses (1) *Domville.*
 Manual of Nursing: Medical and Surgical (2) *Humphrey.*
 Lectures on Fever Nursing (3) *Wilson.*
 The Care of the Sick *Billroth.*
 Handbook of Obstetrical Nursing *Fullerton.*
 Glossaries, tables, technicals, etc. *Various.*
 A lecture once a week (for thirty-four weeks) by a member of the Medical and Surgical Staff.
 Critical Reviews on the lectures given by the Medical and Surgical Staff.
 Instructions in the Wards by Head-Nurses and Senior Nurses.

SENIOR YEAR.

Handbook for Hospitals (1) *Woolsey.*
 Physiology, Anatomy, and Hygiene, [complete] (4) *Hutchinson.*
 General Anatomy, including instruction from Charts, Models, and the Skeleton.
 Elementary Materia Medica *Various.*
 A lecture once a week [for thirty-four weeks] by a member of the Medical and Surgical Staff.
 Practical instruction in *Massage*. [Twelve lessons.]
 Practical instruction in *Cooking for the Sick*. [Ten lessons.]
 Instruction in the Wards by Assistant Superintendent of Nurses, Night Superintendent of Nurses, and Head-Nurses.
 Instruction and drill in the etherizing, operating, and recovery rooms by the Operating-room Nurse.

Collateral Reading.

(1) Medical Nursing *Anderson.*
 (2) Lectures on Nursing *Lückes.*
 (3) Notes on Hospital Nursing *Florence Nightingale.*
 (4) Anatomy and Physiology for Nurses *Kimber.*

DISTRIBUTION OF STUDIES.

Monday,	2 to 5 P.M.	Senior Nurses, Cooking class.
	2 to 3 P.M.	Senior Nurses [section], <i>Massage</i> .
	3 to 4 P.M.	Junior Nurses [section], <i>Massage</i> .
	8 P.M.	Head-Nurses; hospital administration, ward management, minor executive work, training of Assistant Nurses.
Tuesday,	11 A.M.	Senior Nurses [section], Operating-room.
	2 P.M.	Junior Nurses [5th class], Recitation.
	3.30 P.M.	Junior Nurses [1st class], Recitation.
Wednesday,	3.30 P.M.	Senior Nurses [1st class, 2d Div.], Recitation.
Thursday,	2 P.M.	Senior Nurses [section], <i>Massage</i> .
	3 P.M.	Junior Nurses [section], <i>Massage</i> .
	3.30 P.M.	Junior Nurses [3d class], <i>Recitation</i> .
Friday,	11 A.M.	Senior Nurses [section], in Operating-room.
	2 P.M.	Senior Nurses [1st class, 1st Div.], Recitation.
	3 P.M.	Junior Nurses [2d class], Recitation.
	4 P.M.	Lecture to School in Operating Amphitheatre by a member of the Medical and Surgical Staff.

LIST OF LECTURES AND SUBJECTS.

A lecture is given to the Training School on Fridays, at 4 P.M., in the Operating Amphitheatre, by a member of the Medical and Surgical Staff, once a week between September 15 and June 15. The following are among the lectures given:

- Five.* — Surgical Dressings: poultices, washes, fomentations, bandaging, splints, leeches and blisters, enemas, surgical hæmorrhage, etc.
- Three.* — Theory of Wounds: modes of healing, granulations, ulcers, cellulitis, suppuration, sloughs, erysipelas, pyæmia, gangrene, sepsis, etc.
- Three.* — Bacteriology, brief history and general theory: micro-organisms; general distribution in air, water, etc. Elementary consideration of pathogenic and non-pathogenic micro-organisms. Exhibition of apparatus and cultures. Practical points for nurses.
- Two.* — Theory of Sepsis: aseptic treatment, different methods; dressings, with demonstrations and "quiz drill."
- Two.* — Emergencies: hæmorrhage, burns, heat-stroke, fits or seizures, drowning, fractures, immediate treatment of wounds and injuries, foreign bodies in eye, nose, and ear, poisons, domestic emergencies, and practice of expedients.
- Two.* — Surgical anatomy and landmarks, hæmorrhages, etc.
- One.* — Surgical Operations: care of patients before, during, and after operations; anæsthesia and recovery; accidents, hæmorrhage, shock, especially as in private nursing.
- One.* — Abdominal Surgery; including ovariectomy, herniotomy, operations for abdominal injuries, etc.
- One.* — Fractures: varieties, preparation and care of splints and apparatus for treatment, management of cases, etc.

- Three.* — Medicines: avenues of taking; preparation and doses; classes of internal and external poisons; cautions; hospital formulæ.
- One.* — Nursing in Fevers: theory of fever, symptoms and course of, different plans of treatment, nurses' duties as to symptoms, bed, clothing, secretions, baths, food, and management of cases.
- Four.* — Infectious fevers, especially diphtheria and scarlet fever; symptoms and course of disease; complications; infection and contagion; special nursing in croup, laryngitis, tracheotomy, intubation, etc.; management of patient, and surroundings; personal hygiene of nurse in attendance, etc.
- Two.* — Symptomatology in Disease; what and how to observe accurately; vital organs and special symptoms. The model sick-room; temperature, light, ventilation, care of bed, bedding, and clothing, furniture, utensils, disinfection, cleansing, dusting, etc.
- One.* — Contagious Fevers and Epidemics: prevention of contagion, disinfection, care of habitation, etc.
- Three.* — Care of Children in Health and Disease: diet and clothing of infants and children; various infantile diseases.
- Two.* — Physiology of Pregnancy and Labor: delivery, confinement nursing.
- One.* — On Gynæcological Nursing: preparation of patient for examination or operation; operations after treatment, douches, use of catheter, etc. (Demonstrations to sections of senior nurses in Ward S operating-room.)
- One.* — Special Nursing in Nervous Diseases, including the Insane.
- Two.* — Special Nursing in Skin Diseases and Syphilis in the Infant and Adult.
- One.* — { Special Nursing in Diseases of the Eye.
Anatomy and Physiology of the Eye, and General Care in Health and Disease.
- One.* — Special Nursing in diseases of the Ear: its care in health and disease: nurses' duties at operations and continued treatment in disease.
- One.* — Nursing in diseases of the throat.
- Two.* — Food Values and Principles of Cooking Food.
- One.* — Urine: characteristics, properties, including taking notes on same, and brief analysis. Drill in laboratory by classes in sections.
- One.* — *Massage*, its history, theory, and modes of application.
- Three.* — Visceral Anatomy: demonstrations by post mortems; care of the dead, etc.

LIST OF GRADUATES.

THE BOSTON CITY HOSPITAL TRAINING SCHOOL FOR NURSES.

[* Married. † Died.]



[The Badge of Graduate Nurses.]

1879.

Miss Rosa McCormick,
 " N. Elizabeth Fillebrown,
 † " Mary L. Kelso,

Miss Elizabeth A. Andrews,
 * " Myra E. McIlvin,
 * " Martha J. Blackwood. (6)

1880.

Miss Asenith Clement,
 Mrs. Margaret Little,
 Miss Annie Cochran,
 † " Louisa Morrill,
 Mrs. Lucy Rice,
 * Miss Eva Hallowell,
 " Mary E. Prescott,

Mrs. Maria Hatch,
 † Miss Olivia Hews,
 " Mary Monteith,
 † " Victoria O. Fowler,
 * " Minnie Gilman,
 " Anna C. Maxwell,
 Mrs. Sarah Cooke. (14)

1881.

† Miss Mary Mack,
 * " Jennie Shotwell,
 * " Flora Hadley,
 † " Mary Choate,
 † " Georgeanna Russell,
 Mrs. Enderilla S. Neily,

Mrs. Mary Griswold,
 * † Miss Lily Birkbeck,
 * " Josie Smith,
 * " Mary A. Ferrin,
 " Helen M. Hall,
 Mrs. Bertha J. Raemisch. (12)

1882.

† Miss Carrie L. Barrell,
 Mrs. Kittie C. Soule,
 * Miss Georgia L. Forbes,
 " Laura A. C. Hughes,

* Miss Annie Martell,
 " Mary Quinn,
 " Julia Macrae,
 " Annie E. Barker. (8)

1883.

* Miss E. Adelaide Nason,
 " Mina P. Hill,
 * " Christina M. Gregoire,
 † Mrs. Jane E. Young,
 Miss Myra C. Hight,
 " Susie H. Hamblet,
 " Rose A. Duffy,
 " Mary C. Morris,
 " Sarah W. Emerson,
 " Clara E. Bowen,
 " Kate M. Fitzgerald,
 " Margaret McKenzie,
 " Jennie B. McIntosh,

Miss Ida M. Welsh,
 " Annie Soper,
 " Susan Bradley,
 * " Maria Aanrud,
 * " Jane Howell,
 " Emma L. Stowe,
 " Elizabeth Stewart,
 " Clara C. Tubman,
 " Mary E. Gordon,
 " Lucinda McBride,
 " Eliza F. Spencer,
 * " Mary L. Drown.

(25)

1884.

Miss Lucy L. Drown,
 * " Annie J. Ellers,
 " Fanny A. Tucker,
 " Elizabeth Rinker,
 " M. Elizabeth Barr,
 " Elizabeth Banister,
 " Abbie A. Reed,
 " Margaret McKean,
 " Armina C. Manchester,
 " Harriet M. Seaver,

Miss Bessie S. Morrill,
 * " Ellen A. Dunton,
 " Margaret Macdonald,
 " Anna M. Battelle,
 * " Lillian I. Price,
 " Sarah G. Whitney,
 " Mary E. Scannell,
 Mrs. Mary B. Runyan,
 Miss Catherine Murray.

(19)

1885.

Miss Fannie A. Prindle,
 " Adelle B. Brame,
 " Minnie Starr,
 " Clara D. Hoar,
 " H. Josephine Shepherd,
 " Sarah M. Cushing,
 " Clara M. Rowell,
 *† " Glendine Malkson,
 " Lida S. Young,
 " Annie S. Miller,

Miss Jessie J. Glen,
 " Mary E. Woods,
 " Emily Neale,
 " Mary J. Rimmer,
 * " Kate G. Early,
 * " Helen L. Godding,
 " Julia E. Reed,
 " Colina E. M. Somerville,
 * " Jessie Read.

(19)

1886.

* Miss Alice E. Cole,
 " Emma J. Gordon,
 " Sarah E. Snow,
 * " Mary E. Stimson,
 " Georgianna Shaw,
 " Flora E. Welch,
 " M. Annabel Moore,
 " Emma E. Cole,
 " Lucretia F. Williams,
 " Mary C. Stewart,
 " Emma B. Morrison,
 * " Mary A. Martin,
 * " Rosina G. Brine,
 " Ruth A. Bassett,
 " Mary A. White,

Miss Emma R. Trafton,
 " Susie B. Swanton,
 Mrs. Mary E. Bradbury,
 Miss Cicely M. Whitaker,
 † " Elizabeth Fearon,
 " Ella A. Starkweather,
 " Lizzie A. Wilber,
 " Mary J. Dunway,
 Mrs. Josephine S. Wood,
 " Isabella R. Outerbridge,
 Miss Mary Fyfe,
 " Anna M. Hawes,
 " Olivia Byrne,
 " Agnes C. Haley.

(29)

1887.*

Miss Luise Gibbpeck,
 " Mary Grugane,
 " Maria Wagner,
 " Libbie S. Ainsworth,
 " Charlotte A. McCallum,
 " Frances H. Petrikin,
 " Mary A. Hahn,
 * " Delia O'Brien,
 " Lucia E. Weymouth,
 " Julia A. Purdy,
 † " Harriet M. Wallace,
 " Alice E. Bailey,
 " Helen A. Quinn,
 " Mary E. Kenney,
 " Sarah M. Webber,

Miss Emily A. Rogers,
 " Ruthett Adams,
 * " Louise J. Knaut,
 " Caroline H. Keer,
 " Oceania Nickerson,
 " Abbie J. Jenkins,
 " Flora Macrae,
 " Alzine M. Castlebury,
 " Sarah C. Hamlyn,
 " Elizabeth J. Fay,
 * " Jeanie White,
 " Jennie Dudley,
 " Frances L. Mackie,
 * " Olive A. Hawes,
 " Evangeline McDonald. (30)

1888.

Miss Emma J. Jones,
 * " Flora E. Hodges,
 " Stella Lyman,
 " Bertha Elliot,
 " Alicia Ring,
 " Maria B. Clark,
 " Maria L. Eustis,
 " Emily O. Boswall,
 " Eleanor Cobb,
 " Eva M. Homer,
 Mrs. Alice H. Porter,

Miss Alice M. Hodgson,
 " Belle A. Stevens,
 " Myra A. Swain,
 " Mary E. Collingwood,
 " Almeda J. Goodspeed,
 " Ella M. Gordon,
 " Lucia F. Vickery,
 " Evelena Chapman,
 * " Helen Coull,
 " Lilia M. Alexander,
 " Mary O. Barnes. (22)

1889.

Miss Mary M. Riddle,
 " Ella E. Owen,
 " Alice G. Symonds,
 * " Emmanette Veazie,
 " Mary A. Morris,
 " Maggie J. Thompson,
 " Annie Monroe,
 * " Mary E. R. Wilkinson,
 " Jennie R. Dix,
 * " Rosalin A. Meggison,
 " Mary O. Ellins,
 " M. Afiba Martin,
 " Abbie A. Bliss,
 * " Anna R. French,

Miss Catherine M. Haggart,
 " Abbie F. Proctor,
 " Emma E. Penfold,
 * " A. Etta Bodwell,
 " Rose Morgan,
 " Annie E. McCarthy,
 " Mabel H. Tibbetts,
 " Mary E. Jones,
 " Louisa L. Smith,
 " Eliza Jones,
 " Mary Scarlett,
 * " Sarah L. Richardson,
 " Jessie M. Simonds,
 " Rachel Gordon. (28)

1890.

Miss Mary T. Carroll,
 * † Miss Jennie M. Harlow,
 " Harriet H. Page,
 " Elizabeth Rice,
 " Charlotte F. Grant,
 " Carrie B. Whallon,
 " Catherine A. McNally,
 Mrs. Ida M. Rice,
 Miss Anna Harms,
 " Catharine B. Graham,
 * " Amalie H. Lakemann,
 * " Mabel Van Cortlandt,
 " Sarah M. Cox,
 " Grace H. Raine,
 Mrs. Annie L. Ray,

* Miss Henrietta Rankin,
 " Margaret J. Moore,
 " Margaret A. Motschmann,
 " Grace G. Pillsbury,
 " Eliza F. Wadsworth,
 " Elizabeth Olmsted,
 " Annie C. Chamberlain,
 " Fannie P. Cooke,
 " Alice G. Dexter,
 " Florence E. Levensaler,
 * " Bessie Sands,
 " Kate M. Walsh,
 " Minnie McLeod,
 " Clarissa A. M. G. Baldwin,
 " Cynthia A. Spencer. (30)

1891-2 (18 mos.).

Miss Lucetta J. Gross,
 " Ellen Magner,
 " Susan E. Stamer,
 * " C. Isabelle Wright,
 * " Addie E. Waterman,
 " Ethel Sharpley,
 " Sarah L. Taylor,
 " Jessie C. Pearce,
 " Ida A. Nutter,
 " Mary Brennan,
 " Janet Anderson,
 " Elizabeth A. Lary,
 * " Anna R. Collins,
 " Sarah E. Hilt,
 " Delia Knight,
 " Mary E. Comey,
 " M. Georgena McNear,

Miss Elizabeth E. Spratt,
 " Etta A. Chamberlin,
 " Minnie S. Nickerson,
 " Henrietta B. Chisholm,
 " Annie L. Mullen,
 " Anna S. Langin,
 " Lydia A. Brewster,
 " Laura B. Bingham,
 * " Lucy S. Byles,
 " Jessie MacDonald,
 " Maria A. Nicholl,
 " Nora McCormick,
 " Mary A. Foster,
 * " Elizabeth J. McGeachey,
 " Minnie J. Stowe,
 " Emma T. Elliott,
 " Alice T. Myrick. (34)

1892-3.

Miss Martha S. Barr,
 " Elizabeth C. Fairbank,
 " Margaret E. Nelligan,
 † " Sadie R. Harbourne,
 " Annie S. Clapp,
 † " Julie M. Rogivue,
 " Annie B. Dick,
 " Grace M. Hart,
 " Mary Jones,
 " Anna B. Jordan,
 * " Nettie M. Burnett,
 " Hulda J. Oliver,
 " Inez Maud Wright,

Miss Myra Fletcher,
 " Susie J. Hill,
 " Janet Rutherford,
 " Alberta E. Trueworthy,
 " Elizabeth Sloan,
 " Mary A. Neil,
 " Mabel I. Walsh,
 " Lillian M. Palmer,
 " Eva F. Lucas,
 " Mary Eva Moore,
 " Alfaretta Small,
 " Mary L. Cook. (25)

1893-4.

Miss Alma C. Hogle,
 " Anne C. Parker,
 " Lizzie H. Perley,
 " Mary A. Douglass,
 " Marian I. Dooley,
 " Nellie T. Cranitch,
 " Mary L. Annis,
 * " Harriott Attwood,
 " Mary McNeill,
 " Alicia S. Dawson,
 " Mabel G. Gragg,
 " Agnes B. Scally,
 " Esther M. Packard,
 " Fanny R. King,
 " Christina S. Brown,
 * Mrs. Alice M. Davie,
 Miss Ada McCulloch,
 " Frances E. Morley,
 " Cora A. Plummer,
 " Maud T. Henderson,

Miss Lulu M. Plant,
 " Bertha E. Watt,
 " Nellie E. Farr,
 " Alice E. Cardall,
 " Ray Hood,
 " Margaret A. Kenney,
 " Lela Wilson,
 " Lilla J. Temple,
 " Harriet A. White,
 " Charlotte W. Dana,
 " Cora E. Murdoch,
 " Lillian M. Graham,
 " Katherine S. Sharpe,
 " A. Ethelyn Butler,
 " Annie L. Macneill,
 " Cornelia H. Crawford,
 " Ella M. Allen,
 " Netta E. Blackwood,
 " Alice N. Carter,
 " Elizabeth F. Macaulay. (40)

1894-5.

Miss Helen H. Isley,
 " Laura E. Waterman,
 * " Margaret M. Thurston,
 " Annie Gordon,
 * " Lizzie H. Smith,
 " Lodina A. Grignon,
 " Sarah J. French,
 " Martha W. Meek,
 " Frances D. Shetland,
 " Anna A. Rich,
 " Ethelyn M. Lombard,
 " Julia A. Godvin,
 " Lucretia S. Smart,
 " Mary Jennetta Patterson,
 " Emma L. Pray,
 " Amy Denton,
 " Elizabeth F. Dickie,

Miss Catherine Hughes,
 " Isabella Smith,
 " Gertrude M. Thresher,
 " S. Anna L. Tirrell,
 " Ella M. Stewart,
 " Susan M. Foley,
 " Selina R. Lockhart,
 " Minna Wolff,
 " Esther L. Kenney,
 Mrs. Sarah W. Tarr,
 Miss Elizabeth F. Paty,
 " Ellen Smith,
 " Dora B. Wells,
 " Alice M. Robinson,
 " Susane F. Robbins,
 " Olive E. Coburn.

(33)

1895-6.

Miss Ellen Murray,
 " Frances L. Russell,
 " Effie A. Buell,
 " Elizabeth Grainger,
 " E. Gertrude Parker,
 Mrs. Clara J. Goudey,
 Miss Mary E. Wight,
 " Mary C. Van Dyck,
 " Lilla L. Davis,
 " Margaret Creighton,
 " Marie T. Eckert,
 * " Margaret Ross,
 " Sarah E. Farrand,
 " Helen C. Worthley,
 " Ella L. Hall,
 " Frances Wills.

Miss Margaret MacKinnon,
 " Christina J. Dunbar,
 " Margaret E. Elworthy.
 " Annie E. Irving,
 " Julia M. Bye,
 " Louise MacP. Coleman,
 " Bertha Stewart,
 " Elizabeth F. Bowness,
 " Kathleen K. McSweyn,
 " J. Florence Cliff,
 " S. Caroline Gulick,
 " Annie M. Lounsbury,
 " Ellen F. Johnson,
 " Margaret McDonald,
 " Brenda F. Mattice,
 " E. Idella Lawton.

(32)

Total graduates, 406.

DIETARY FOR PATIENTS.

MILK DIET. DAILY. — Milk, 3 pints; Bread (Wheat or Graham), toasted, if desired; Butter, Rice, Oatmeal, Corn Starch, or Farina.

HOUSE DIET.

Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
BREAKFAST. Coffee, or Tea, or Cocoa, with Milk and Sugar. Bread (Wheat, Graham, and Brown), Butter, Porridge of Oatmeal, Cornmeal, or Wheaten Grits, etc.	BREAKFAST. Coffee, or Tea, or Cocoa, with Milk and Sugar. Bread (Wheat, Graham, and Brown), Butter, Meat Hash.	BREAKFAST. Coffee, or Tea, or Cocoa, with Milk and Sugar. Bread (Wheat, Graham, and Brown), Butter, Porridge, or Mush, of Oatmeal, Cornmeal, or Wheaten Grits, etc.	BREAKFAST. Coffee, or Tea, or Cocoa, with Milk and Sugar. Bread (Wheat, Graham, and Brown), Butter, Porridge of Oatmeal, Cornmeal, or Wheaten Grits, etc.	BREAKFAST. Coffee, or Tea, or Cocoa, with Milk and Sugar. Bread (Wheat, Graham, and Brown), Butter, Porridge, or Mush, of Oatmeal, Cornmeal, or Wheaten Grits, etc.	BREAKFAST. Coffee, or Tea, or Cocoa, with Milk and Sugar. Bread (Wheat, Graham, and Brown), Butter, Porridge, or Mush, of Oatmeal, Cornmeal, or Wheaten Grits, etc.	BREAKFAST. Coffee, or Tea, or Cocoa, with Milk and Sugar. Bread (Wheat, Graham, and Brown), Butter, Porridge, or Mush, of Oatmeal, Cornmeal, or Wheaten Grits, etc.
DINNER. Roast Beef, or Mutton, Potatoes, Bread.	DINNER. Soup, or Stewed Meat, Vegetables, Bread, Pudding of Bread, Rice, Oatmeal, Hominy, or Corn Starch.	DINNER. Corned Beef, Boiled, Turnips, or Cabbage, Potatoes, Bread.	DINNER. Roast Beef, or Mutton, Boiled, Potatoes, Tomatoes, or other Vegetables, Bread.	DINNER. Soup, or Stewed Meat, Vegetables, Bread, Pudding of Bread, Rice, Oatmeal, Hominy, or Corn Starch.	DINNER. Fish, Fresh or Salt, Potatoes, or other Vegetables, Bread.	DINNER. Soup, or Stewed or Minced Meat, Potatoes, Bread, Pudding of Bread, Rice, Oatmeal, Hominy, or Corn Starch.
SUPPER. Coffee, or Tea, Shells, or Cocoa, with Milk and Sugar, Bread (Wheat or Graham), Butter.	SUPPER. Coffee, or Tea, Shells, or Cocoa, with Milk and Sugar, Bread (Wheat or Graham), Butter.	SUPPER. Coffee, or Tea, Shells, or Cocoa, with Milk and Sugar, Bread (Wheat or Graham), Butter.	SUPPER. Coffee, or Tea, Shells, or Cocoa, with Milk and Sugar, Bread (Wheat or Graham), Butter.	SUPPER. Coffee, or Tea, Shells, or Cocoa, with Milk and Sugar, Bread (Wheat or Graham), Butter.	SUPPER. Coffee, or Tea, Shells, or Cocoa, with Milk and Sugar, Bread (Wheat or Graham), Butter.	SUPPER. Coffee, or Tea, Shells, or Cocoa, with Milk and Sugar, Bread (Wheat or Graham), Butter.

EXTRAS. — In addition to the above, the following extras may be ordered by the Visiting Physicians and Surgeons: Milk, Beef Tea, Chicken Broth, Mutton Broth, Gruel, Oatmeal Mush, Corn Starch, Boiled Rice, Eggs, Beefsteak, Mutton-chop, and Chicken.

A small allowance of Milk and Beef Tea will be provided for each ward daily. The House Physician or Surgeon may order these articles by a signed special order, in each case, when needed, for patients who enter in the intervals between the regular visits of the Visiting Physician or Surgeon to whom the case is assigned.

All Wines and Liquors, Ale, Beer, etc., will be ordered by the Visiting Physicians and Surgeons only, excepting in emergencies, when special orders for the same may be given by the House Physician or Surgeon, to be afterwards approved by the Visiting Physician or Surgeon, as the case may be, or by the Resident Physician.

July 2, 1878.

By Order of the Trustees.

HOSPITAL DEPARTMENT.

OFFICERS AND STAFF, 1895-6.

TRUSTEES.

A. SHUMAN, <i>President</i> . . .	Term expires in 1900.
HENRY H. SPRAGUE, <i>Secretary</i> . .	Term expires in 1899.
JOHN F. YOUNG, M.D. . . .	Term expires in 1896.
WM. A. DUNN, M.D. . . .	Term expires in 1897.
CONRAD J. RUETER	Term expires in 1898.

MEDICAL AND SURGICAL STAFF.

Consulting Physicians and Surgeons.

Benj. E. Cotting, M.D.	Wm. Ingalls, M.D.
A. D. Sinclair, M.D.	W. C. B. Fifield, M.D.

Superintendent and Resident Physician.

GEO. H. M. ROWE, M.D.

VISITING STAFF.

Senior Visiting Surgeon.

D. W. Cheever, M.D.

Visiting Physicians.

A. L. Mason, M.D.	E. M. Buckingham, M.D.
G. B. Shattuck, M.D.	Francis H. Williams, M.D.
Chas. F. Folsom, M.D.	Chas. F. Withington, M.D.

Visiting Surgeons.

Geo. W. Gay, M.D.	M. F. Gavin, M.D.
Wm. P. Bolles, M.D.	H. L. Burrell, M.D.
Abner Post, M.D.	Francis S. Watson, M.D.

Visiting Physicians for Diseases of Women.

John G. Blake, M.D.	Edward J. Forster, M.D.
---------------------	-------------------------

Visiting Ophthalmic Surgeon.

O. F. Wadsworth, M.D.

Visiting Aural Surgeon.

J. Orne Green, M.D.

Visiting Pathologist.

Wm. T. Councilman, M.D.

*Assistant Visiting Physicians.*Vincent Y. Bowditch, M.D. | Henry Jackson, M.D.
George G. Sears, M.D.*Assistant Visiting Surgeons.*H. W. Cushing, M.D. | George H. Monks, M.D.
H. L. Smith, M.D.*Assistant Visiting Physician for Diseases of Women.*

C. M. Green, M.D.

*Physicians for Diseases of the Nervous System.*Morton Prince, M.D. | Philip Coombs Knapp, M.D.
Wm. N. Bullard, M.D.*Physician for Diseases of the Skin.*

James S. Howe, M.D.

Physicians for Diseases of the Throat.

Thos. Amory DeBlois, M.D. | J. W. Farlow, M.D.

OUT-PATIENT STAFF.*Physicians to Out-Patients.*

John L. Morse, M.D. | Carroll E. Edson, M.D.

*Surgeons to Out-Patients.*Robert W. Lovett, M.D. | Edwin W. Dwight, M.D.
John C. Munro, M.D. | J. Bapst Blake, M.D.
Paul Thorndike, M.D. | Fred B. Lund, M.D.*Physician for Diseases of Women to Out-Patients.*

George Haven, M.D.

Ophthalmic Surgeons to Out-Patients.

Edwin E. Jack, M.D. | Walter B. Lancaster, M.D.

Aural Surgeons to Out-Patients.

Geo. A. Leland, M.D. | Edmund D. Spear, M.D.

Medico-Legal Pathologist.

F. W. Draper, M.D.

Medical Registrar.

A. S. Knight, M.D.

Surgical Registrar.

C. M. Whitney, M.D.

MEDICAL AND SURGICAL ASSISTANTS.*Assistants to the Ophthalmic Surgeons.*

Alex. Quackenboss, M.D. | John C. Bossidy, M.D.

Assistant to the Aural Surgeons.

Ernest E. Doble, M.D.

Assistants to the Physicians for Diseases of the Nervous System.

John J. Thomas, M.D. | Joseph W. Courtney, M.D.

Assistant to the Physicians for Diseases of the Skin.

Harvey P. Towle, M.D.

Assistant to the Physicians for Diseases of the Throat.

Geo. A. Leland, M.D.

Assistant to the Physician for Diseases of Women.

Edward Reynolds, M.D.

First Assistant Pathologist.

F. B. Mallory, M.D.

Second Assistant Pathologist.

James H. Wright, M.D.

Assistant in Clinical Pathology.

J. Bergen Ogden, M.D.

Physicians to the Convalescent Home.

C. Ellery Stedman, M.D. | Daniel D. Gilbert, M.D.
 Edward T. Twitchell, M.D.

HOUSE OFFICERS.

*House Physicians.**House Surgeons.*

(For six months ending July 1, 1895.)

Marsena P. Smithwick,
 George B. Henshaw,
 Theron H. Carter.

John Dennett, Jr.,
 Dudley Carleton,
 Theodore C. Erb.

(For six months ending January 6, 1896.)

Fred Drew,
 Ben H. Metcalf,
 William H. Robey, Jr.

Frank L. Morse,
 Augustus W. Dudley,
 John R. Cowan.

(For six months beginning January 6, 1896.)

Charles B. Dunlap,
 Henry P. Lovewell,
 Cleon M. Hibbard.

Henry D. Chadwick,
 Arthur W. Marsh,
 Charles M. Hutchinson.

Medical and Surgical House Officers (Senior).

(For six months ending July 1, 1895.)

John P. Treanor.

(For three months beginning July 1, 1895.)

Herman T. Baldwin.

Gynæcological House Officers (Senior).

(For six months ending July 1, 1895.)

Edward P. Starbird.

(For six months ending January 6, 1896.)

Frank E. Bateman.

(For six months beginning January 6, 1896.)

William N. Tenney.

Ophthalmic and Aural House Officers.

(For six months ending July 1, 1895.)

Henry B. Stevens.

(For six months ending January 6, 1896.)

Charles M. Hutchinson.

(For six months beginning January 6, 1896.)

Charles S. Wright.

Pathological House Officers.

(For six months ending January 6, 1896.)

Herman W. Gross.

(For six months beginning January 6, 1896.)

Joseph J. Curry.

Medical Internes.

Surgical Internes.

(For six months beginning January 6, 1896.)

Thomas B. Cooley,
George F. Dow,
Edward N. Libby.

James A. Mahon,
William Thorndike,
Vivian Daniel.

Medical and Surgical House Officer (Junior).

(For two months beginning July 1, 1895.)

Calvin G. Page.

Gynæcological House Officer (Junior).

(For six months beginning January 6, 1896.)

Hyrum A. Anderson.

Medical Externes.

Surgical Externes.

(For six months beginning January 6, 1896.)

Sylvester F. McKeen,
Samuel W. Ellsworth,
Lawrence W. Strong.

John T. Bottomley,
Harry E. Sears,
Arthur T. Mann.

Gynæcological Externe.

(For six months beginning January 6, 1896.)

George F. Freeman.

Ophthalmic and Aural Externe.

(For six months beginning January 6, 1896.)

George T. Page.

Pathological Externe.

(For six months beginning January 6, 1896.)

Edward W. Pinkham.

HOSPITAL OFFICERS.

G. H. M. Rowe, M.D., *Superintendent*.
Charles G. Dewey, M.D., *Assistant Superintendent*.
Marsena P. Smithwick, M.D., *First Executive Assistant*.
Julius Selva, M.D., *Second Executive Assistant*.
Samuel M. Nesmith, *Steward*.
Greenleaf R. Tucker, B.S., *Chemist*.
Timothy Leary, M.D., *Resident Assistant Pathologist*.
Miss Lucy L. Drown, *Superintendent of Nurses and Matron*.
Miss Emma T. Elliott, *Assistant Superintendent of Nurses*.
Miss Alma C. Hogle, *Second Ass't Superintendent of Nurses*.
Miss Elizabeth C. Fairbank, *Night Superintendent of Nurses*.
Miss Sarah P. Boyden, *Housekeeper*.

SOUTH DEPARTMENT.

J. H. McCollom, M.D., *Resident Physician*.
Frederick W. Pearl, M.D., *First Assistant Physician*.
Frank L. Morse, M.D., *Second Assistant Physician*.
Miss Mary M. Riddle, *Assistant Superintendent of Nurses and Matron*.

House Officers (Senior).

Francis E. Langdon,
William Fitzgerald.

House Officers (Junior).

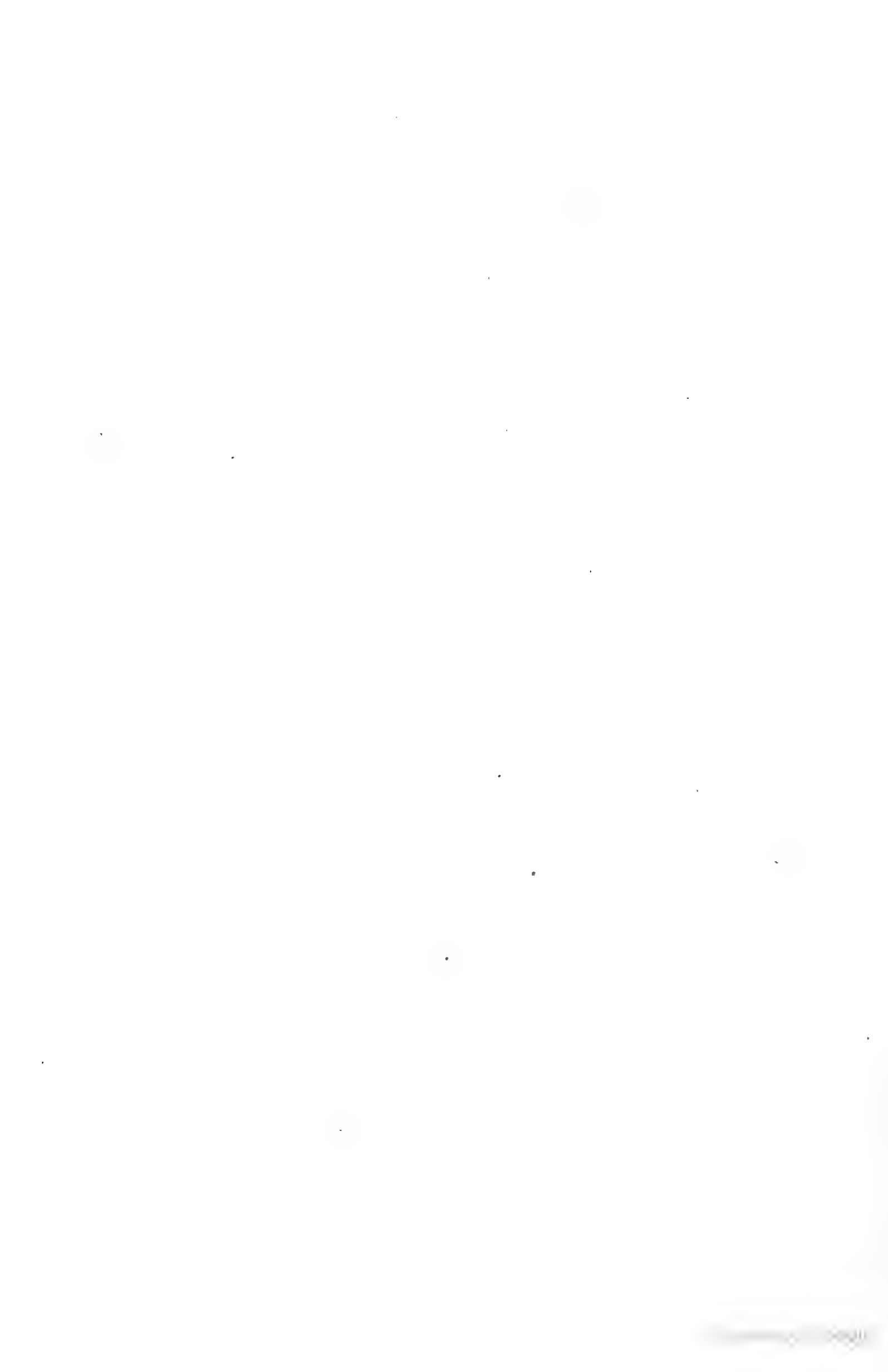
William H. Coon,
Butler Metzger.

CONVALESCENT HOME.

Miss H. Josephine Shepherd, *Matron*.

ANNUAL REPORT
OF THE
INSTITUTIONS DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 14 — 1896.]



INSTITUTIONS DEPARTMENT,
OFFICE OF THE COMMISSIONER, 14 BEACON STREET,

BOSTON, February 1, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In accordance with chapter 3, section 22, of the Revised Ordinances, the Institutions Commissioner presents his annual report for the financial year ending January 31, 1896, it being the first report since the revision of the charter of the city of Boston.

The Public Institutions of the city of Boston were, in 1857, placed under the charge of a Board of Directors consisting of twelve members; this number was reduced to nine in 1885. In 1889 this Board was abolished and the institutions placed under the charge of three commissioners.

In 1895, by Acts of the Legislature, Chapter 449, the Department of Public Institutions and the Board of Commissioners was abolished, the Institutions Department created and placed in the charge of an Institutions Commissioner. This act was approved June 1, and went into effect July 1, 1895.

This report, being made from the date of the last annual report, includes five months under the Department of Public Institutions, and seven since the creation of the Institutions Department.

EXPENDITURES FOR DEER ISLAND INSTITUTIONS.

Subsistence	\$50,497 05
Clothing and bedding	15,586 45
Fuel and light	14,549 77
Salaries	35,671 32
Furniture and utensils	3,026 17
Medical supplies	1,302 51

Books, printing, and stationery	\$442 53
Agricultural supplies	3,278 35
Repairs	8,529 28
Printing department supplies	228 94
Material and tools	4,456 83
Stone department	21,101 01
Religious services	1,474 39
Soap	853 17
Telephone rental	284 20
Postage and rent of box	280 00
Entertainment and holidays	166 25
Dinner for the City Government	182 00
All other items	186 90
Total	<u>\$162,097 12</u>

FOR HOUSE OF REFORMATION.¹

Subsistence	\$3,177 08
Clothing and bedding	1,887 35
Fuel and light	936 39
Salaries	5,154 74
Furniture and utensils	1,337 94
Medical supplies	34 71
Books, printing, and stationery	139 45
Agricultural supplies	342 39
Repairs	1,461 34
School supplies	699 09
Printing supplies	806 19
Religious services	84 96
Soap	50 23
Telephone rental	66 50
Postage	16 00
Dinner for the City Government	132 00
All other items	28 11
Total	<u>\$16,354 47</u>

¹ Separated from Deer Island Institutions and established on Rainsford Island in May, 1895.

INSTITUTIONS DEPARTMENT.

3

FOR PARENTAL SCHOOL.¹

Subsistence	\$1,035 80
Clothing and bedding	1,251 22
Fuel and light	727 73
Salaries	2,614 24
Furniture and utensils	825 55
Medical supplies	49 86
Books, printing, and stationery	55 86
Agricultural supplies	457 05
Repairs	3,502 41
School supplies	242 15
Telephone rental	49 43
All other items	58 89
Total	\$10,870 19

FOR LUNATIC HOSPITAL.²

Subsistence	\$19,551 85
Clothing and bedding	2,283 03
Fuel and light	8,678 27
Salaries	20,895 48
Furniture and utensils	1,129 93
Medical supplies	816 02
Books, printing, and stationery	244 36
Agricultural supplies	3,138 71
Repairs	7,864 11
Water	2,496 00
Soap	827 02
Telephone rental	185 68
Transportation and carriage-hire	148 14
Postage and rent of box	82 36
Entertainment and holidays	53 10
Burial	36 00
All other items	28 82
Total	\$68,458 88

FOR INSANE HOSPITAL, AUSTIN FARM.³

Subsistence	\$8,798 31
Clothing and bedding	1,679 70
Fuel and light	2,005 36
Salaries	8,700 80

¹ Opened for reception of inmates September, 1895.

² Separated into two institutions August 5, 1895.

³ Made a separate institution from Lunatic Hospital, August 5, 1895.

Furniture and utensils	\$1,541 41
Medical supplies	326 75
Books, printing, and stationery	131 11
Agricultural supplies	748 64
Repairs	2,662 69
Water	882 00
Soap	525 50
Telephone rental	34 60
Transportation and carriage-hire	26 71
Postage and rent of box	20 90
House rent	75 00
Burial	30 00
All other items	59 88
Total	<u>\$28,249 36</u>

FOR INSANE HOSPITAL, PIERCE FARM.¹

Subsistence	\$6,093 57
Clothing and bedding	647 50
Fuel and light	2,982 92
Salaries	7,686 37
Furniture and utensils	602 98
Medical supplies	235 79
Books, printing, and stationery	146 25
Agricultural supplies	2,016 64
Repairs	4,372 86
Water	178 80
Soap	99 80
Postage and rent of box	33 00
Transportation and carriage-hire	85 25
Entertainment and holidays	50 06
All other items	41 14
Total	<u>\$25,272 93</u>

FOR MARCELLA-STREET HOME.

Subsistence	\$15,799 16
Clothing and bedding	6,302 39
Fuel and light	3,343 97
Salaries	13,780 60
Furniture and utensils	1,858 87
Medical supplies	444 79
Books, printing, and stationery	333 14
Agricultural supplies	1,383 49

¹ Made a separate institution from Lunatic Hospital, August 5, 1895.

INSTITUTIONS DEPARTMENT.

5

Repairs	\$5,872 68
Water	1,503 00
Soap	438 59
School supplies	288 64
Telephone rental	229 29
Entertainment and holidays	312 83
Board of blind	242 82
Postage	43 93
Burial	38 00
All other items	130 59
Total	<u>\$52,346 78</u>

FOR ALMSHOUSE AND HOSPITAL.

Subsistence	\$25,689 00
Clothing and bedding	3,806 84
Fuel and light	10,635 11
Salaries	15,410 87
Furniture and utensils	1,301 87
Medical supplies	2,308 78
Books, printing, and stationery	595 23
Agricultural supplies	2,030 40
Repairs	10,457 44
Water	1,320 59
Soap	633 99
Postage	179 00
Telephone rental	183 57
Religious services	162 24
All other items	52 09
Total	<u>\$74,767 02</u>

FOR ALMSHOUSE, CHARLESTOWN.

Subsistence	\$5,644 45
Clothing and bedding	645 39
Fuel and light	1,192 23
Salaries	2,932 00
Furniture and utensils	182 64
Medical supplies	215 45
Books, printing, and stationery	79 49
Agricultural supplies	652 01
Repairs	1,429 71
Expressage	128 12
Water	323 15
Soap	305 49

Telephone rental	\$116 30
Postage	13 00
Burial	70 00
All other items	25 50
Total	\$13,954 93

FOR HOME FOR PAUPERS, RAINSFORD ISLAND.¹

Subsistence	\$2,919 64
Clothing and bedding	190 59
Fuel and light	57 05
Salaries	1,486 78
Furniture and utensils	32 73
Medical supplies	153 49
Books, printing, and stationery	18 09
Agricultural supplies	205 58
Repairs	156 55
Soap	48 93
Telephone rental	115 00
Religious services	59 55
Postage	9 00
All other items	4 50
Total	\$5,457 48

FOR PAUPER EXPENSES.

Support outside city institutions	\$170,630 83
Transportation and travel	3,797 97
Pay-rolls	11,603 09
Purchase of and keeping horses	1,759 69
Purchase of and repairs to carriages and harnesses	1,128 97
Medical attendance	3,351 62
Books, printing, and stationery	698 99
Copying pauper records	707 93
Postage	229 49
Telephone rental	205 46
Ambulance stretchers	72 00
All other items	98 36
Total	\$194,284 40

¹ Discontinued April 1, 1895.

FOR STEAMER "J. PUTNAM BRADLEE."

Manning	\$8,467 80
Repairs	2,817 61
Rent of dock	2,000 00
Waste and oil	84 63
Water	14 13
Chandlery	133 96
Telephone rental	168 00
Furniture	101 47
All other items	15 88
Total	<u>\$13,803 48</u>

FOR OFFICE EXPENSES.

Salaries	\$18,024 14
Alterations in office rooms	6,584 53
Books, printing, and stationery	579 24
Telephone rental	324 52
Postage and rent of box	140 80
All other items	102 69
Total	<u>\$25,755 92</u>

FOR HOUSE OF CORRECTION, COUNTY OF SUFFOLK.

Subsistence	\$36,453 32
Clothing and bedding	7,878 29
Fuel and light	7,377 15
Salaries	28,178 81
Furniture and utensils	2,227 41
Medical supplies	728 75
Books, printing, and stationery	365 96
Agricultural supplies	1,282 74
Repairs	4,243 12
Materials and tools	2,201 00
Religious services	1,161 07
Soap	1,020 91
Gratuities	660 45
Telephone rental	232 41
Postage and rent of box	150 00
Entertainment and holidays	245 75
Water	120 60
All other items	184 05
Total	<u>\$94,711 79</u>

RECAPITULATION OF EXPENDITURES.

Deer Island Institutions	\$162,097 12
House of Reformation	16,354 47
Parental School	10,870 19
Lunatic Hospital	68,458 88
Insane Hospital, Austin Farm	28,249 36
“ “ Pierce Farm	25,272 93
Marcella-street Home	52,346 78
Almshouse and Hospital	74,767 02
Almshouse, Charlestown	13,954 93
Home for Paupers, Rainsford Island	5,457 48
Pauper expenses	194,284 40
Steamer “J. Putnam Bradlee”	13,803 48
Office expenses	25,755 92
<hr/>	
Public Institutions	\$691,672 96
House of Correction, County of Suffolk	94,711 79
<hr/>	
Total	<u>\$786,384 75</u>

The sum of \$355.22 has been received for interest on the “Mason Fund.”

The income of the institutions for the year ending January 31, 1896 :

House of Industry	\$57,839 72
House of Reformation	1,176 33
Lunatic Hospital	6,296 10
Insane Hospital, Austin Farm	4,038 94
Insane Hospital, Pierce Farm	4,311 92
Marcella-street Home	265 88
Almshouse and Hospital	2,112 59
Almshouse, Charlestown	471 26
Home for Paupers, Rainsford Island	125 15
Pauper expenses	5,148 14
<hr/>	
Public Institutions	\$81,786 03
House of Correction, County of Suffolk	20,586 75
<hr/>	
Total	<u>\$102,372 78</u>

The sources from which the income has been received are as follows, viz. :

HOUSE OF INDUSTRY.

Stone	\$40,290 56
Labor of inmates	11,967 22
Board of paupers	1,161 83
Pigs and pork	870 54
Brogans	724 70
Farm produce	686 90
Empty barrels	434 22
Grease and bones	237 59
Carting and teaming	235 58
Printing department	204 57
Wheelbarrows	126 25
Tinware	116 93
Cloth	116 43
Rent of room	89 00
Coal	86 78
Rags	79 67
Repairing shoes	68 15
Paints and oils	60 88
Junk	50 91
Other items under \$50	231 01
Total	<u>\$57,839 72</u>

HOUSE OF REFORMATION.

Printing	\$1,149 01
Other items under \$50	27 32
Total	<u>\$1,176 33</u>

LUNATIC HOSPITAL.

Board of patients	\$6,088 51
Grease and bones	118 18
Other items under \$50	89 41
Total	<u>\$6,296 10</u>

INSANE HOSPITAL, AUSTIN FARM.

Board of patients	\$3,773 45
Tuberculous cattle	99 00
Grease and bones	90 99
Other items under \$50	75 50
Total	<u>\$4,038 94</u>

INSANE HOSPITAL, PIERCE FARM.

Board of patients	\$4,249 92
Farm produce	62 00
Total	<u>\$4,311 92</u>

MARCELLA-STREET HOME.

Board of inmates	\$153 43
Junk	76 17
Other items under \$50	36 28
Total	<u>\$265 88</u>

ALMSHOUSE AND HOSPITAL.

Board of inmates	\$1,713 77
Milk	122 92
Grease and bones	83 68
Farm products	66 75
Pigs and pork	62 23
Other items under \$50	63 24
Total	<u>\$2,112 59</u>

ALMSHOUSE, CHARLESTOWN.

Board of inmates	\$422 58
Other items under \$50	48 68
Total	<u>\$471 26</u>

HOME FOR PAUPERS, RAINSFORD ISLAND.

Pork	<u>\$125 15</u>
----------------	-----------------

PAUPER EXPENSES.

Board of sundry persons in State institutions, paid for by the city of Boston, refunded	<u>\$5,148 14</u>
---	-------------------

HOUSE OF CORRECTION, COUNTY OF SUFFOLK.

Labor of inmates	\$19,550 89
Grease and bones	698 09
Empty barrels	251 85
Rags	57 01
Other items under \$50	28 91
Total	<u>\$20,586 75</u>

Comparison of expenditures of the several institutions for the years ending January 31, 1895 and 1896 :

	Expenditures for 12 months		Increase.	Decrease.
	Ending Jan. 31, 1895.	Ending Jan. 31, 1896.		
Deer Island Institutions	\$162,332 30	\$162,097 12	. . . . .	\$235 18
House of Reformation	{ included in }	{ for 8 months }	\$16,354 47	
	{ D. Isl. Inst. }	{ 16,354 47 }		
Parental School . . . . .	. . . . .	{ for 9 months }	10,870 19	
		{ 10,870 19 }		
Lunatic Hospital	92,159 50	{ for 7 months }		
		{ 68,458 88 }		
Insane Hospital, Austin Farm . . . . .	. . . . .	{ for 5 months }		
		{ 28,249 36 }		
Insane Hospital, Pierce Farm . . . . .	. . . . .	{ for 5 months }	29,821 67	
		{ 25,272 93 }		
Marcella-street Home	44,776 03	52,346 78	7,570 75	
Alm house and Hospital	{ Home for }	74,767 02	17,591 36	
	{ Paupers, L.I. }			
	{ 57,175 66 }			
Almshouse, Charles-town	13,254 19	13,954 93	700 74	
Home for Paupers, Rainsford Island	25,884 81	{ for 3 months }	. . . . .	20,427 33
		{ 5,457 48 }		
Pauper expenses	182,422 71	194,284 40	11,861 69	
Steamer expenses	22,547 51	13,803 48	. . . . .	8,744 03
Office expenses	20,251 67	25,755 92	5,504 25	
Public Institutions	\$620,804 38	\$691,672 96	\$100,275 12	\$29,406 54
County of Suffolk House of Correction	95,074 02	94,711 79		362 23
Totals	\$715,878 40	\$786,384 75	\$100,275 12	\$29,768 77

Increase as above	\$100,275 12
Decrease as above	29,768 77
Net increase	<u>\$70,506 35</u>

Comparison of income for the years ending January 31,
1895 and 1896 :

	Income for 1 year		Increase.	Decrease.
	Ending Jan. 31, 1895.	Ending Jan. 31, 1896.		
House of Industry	\$49,500 01	\$57,839 72	\$8,339 71	
House of Reformation		{ for 8 months } 1,176 33	1,176 33	
Lunatic Hospital	14,285 13	{ for 7 months } 6,296 10		
Insane Hospital, Austin Farm		{ for 5 months } 4,038 94		
Insane Hospital, Pierce Farm		{ for 5 months } 4,311 92	361 83	
Marcella street Home	878 25	265 88		\$612 37
Almshouse and Hospital	{ Home for } Paupers, L.I. 3,790 75	2,112 59		1,678 16
Almshouse, Charlestown	416 87	471,26	54 39	
Home for Paupers, Rains- ford Island	647 35	{ for 2 months } 125 15		522 20
Pauper expenses	7,003 64	5,148 14		1,855 50
Steamer expenses	61 02			61 02
Public Institutions	\$76,583 02	\$81,786 03	\$9,932 26	\$4,729 25
County of Suffolk, House of Correction	23,701 24	20,586 75		3,114 49
Totals	\$100 284 26	\$102,372 78	\$9,932 26	\$7,843 74
Increase as above			\$9,932 26	
Decrease as above			7,843 74	
Net Increase			<u>\$2,088 52</u>	

Actual cost of running expenses of the institutions for the year ending January 31, 1896 :

	Expended.	Income.	Actual cost.
Deer Island Institutions	\$162,097 12	\$57,839 72	\$104,257 40
House of Reformation	16,354 47	1,176 33	15,178 14
Parental School	10,870 19		10,870 19
Lunatic Hospital	68,458 88	6,296 10	62,162 78
Insane Hospital, Austin Farm	28,249 36	4,038 94	24,210 42
“ “ Pierce Farm	25,272 93	4,311 92	20,961 01
Marcella-street Home	52,346 78	265 88	52,080 90
Almshouse and Hospital	74,767 02	2,112 59	72,654 43
Almshouse, Charlestown	13,954 93	471 26	13,483 67
Home for Paupers, Rainsford Island,	5,457 48	125 15	5,332 33
Pauper expenses	194,284 40	5,148 14	189,136 26
Steamer expenses	13,803 48		13,803 48
Office expenses	25,755 92		25,755 92
Public Institutions	\$691,672 96	\$81,786 03	\$609,886 93
County of Suffolk, House of Correc- tion	94,711 79	20,586 75	74,125 04
Total	\$786,384 75	\$102,372 78	\$684,011 97

Total expenditures for the year ending Jan- uary 31, 1895	\$715,878 40
Total expenditures for the year ending Jan- uary 31, 1896	786,384 75
Increase for the year ending January 31, 1896	<u>\$70,506 35</u>
Actual cost for the year ending January 31, 1895	\$615,594 14
Actual cost for the year ending January 31, 1896	<u>684,011 97</u>
Increase for the year ending January 31, 1896	<u>\$68,417 83</u>

Number of inmates remaining in the several institutions on January 31, 1895 and 1896 :

	1895.	1896.	Increase.	Decrease.
House of Industry,	1,470	1,519	49	
House of Reformation,	66	.....	.....	66
Truant School,	17	.....	.....	17
Paupers,	8	10	2	
House of Reformation . . . . .	.....	108	108	
Parental School . . . . .	.....	73	73	
Lunatic Hospital	464	.....	
Insane Hospital, Austin Farm . . . . .	.....	353		
" " Pierce Farm . . . . .	.....	146	45	
Marcella-street Home	331	374	43	
Almshouse and Hospital	688	815	127	
Almshouse, Charlestown	161	160	.....	1
Home for paupers, Rainsford Island . .	272	.....	.....	272
Public Institutions	3,477	3,568	447	356
County of Suffolk, House of Correction,	553	640	.....	23
Totals	4,140	4,208	447	379

Average number of inmates during the year ending January 31, 1896 :

Deer Island Institutions	1,542
House of Reformation (for 36 weeks)	83
Parental School (for 19 weeks)	65
Lunatic Hospital (for 7 months)	
Insane Hospital, Austin Farm (for 5 months)	498
" " Pierce Farm	
Marcella-street Home	² 318
Almshouse and Hospital	693
Almshouse, Charlestown	151
Home for paupers, Rainsford Island (for 8 weeks) . .	56
Public Institutions	3,406
County of Suffolk, House of Correction	622
Total	4,028

¹ Does not include children who are boarded out.

² Does not include children boarded out.

The average expenditure for and actual cost of each inmate of the institutions for the year ending January 31, 1896 :

INSTITUTIONS.	Expenditures.		Actual Cost.	
	Per year.	Per week.	Per year.	Per week.
Deer Island Institutions	\$105 12	\$2 02	\$67 61	\$1 30
Lunatic Hospital for 7 months,	244 94	4 71	215 53	4 14
Insane Hospital, Austin Farm for 5 months,				
Insane Hospital, Pierce Farm for 5 months,				
Marcella-street Home	164 61	3 17	163 78	3 15
Almshouse and Hospital	107 89	2 07	104 84	2 02
Almshouse, Charlestown	92 42	1 78	89 30	1 72
County of Suffolk, House of Correction.	152 27	2 93	119 17	2 29

In the above table no per capita cost is given on the House of Reformation, the Parental School, and the Home for Paupers, Rainsford Island. These institutions were in full operation but a portion of the year and any figures would be misleading and of no value.

Number of persons supported by the city of

Boston in State Institutions 883

Expended for the support of the above . . . \$156,119 29

HOUSE OF INDUSTRY.

Deer Island.

This institution is on the whole in a very satisfactory condition. The great overcrowding which still exists will be relieved in July, when the new cell house, containing five hundred new cells, with the adjuncts necessary to care for that number of male prisoners, will be completed.

Since the going into effect of chapter 449, section 16, Acts of 1895, which provides that "no person shall be released without the approval of a justice of the court which imposed the sentence," the daily average has considerably increased and the overcrowding has been even more marked than in previous years.

The new cell building will allow of a separation of "first-term" male prisoners from the old offenders. "Loafers' Hall" will be discontinued when the new building is occupied.

All dark solitary cells have been abolished, and new "light solitaires" built in a group by themselves. These new cells are large, well lighted, and ventilated, and so planned and located that noise in them will disturb no one except those similarly confined.

Since July 1 women prisoners have been moved from the main buildings to those formerly occupied by the truant and reform schools, where "first offenders" are separated from the others. One of the most urgent needs of this institution is a suitable "women's prison," distinct and separated by some distance from the main institution, where sufficient room and suitable accommodations for the practical classification and industries may be obtained.

The engine rooms and shops are old, of insufficient size, and poorly arranged for the work which should be carried on in them. Suitable ones should be provided in the near future.

HOUSE OF CORRECTION.

South Boston.

In so far as is possible in the present building and on the present site, the institution is in excellent condition.

Not only is there considerable overcrowding, but the buildings are old and inconvenient, cells small, poorly ventilated, and workshops inadequate. The entire plant is out of date and insufficient.

It is of the greatest importance that a proper location and buildings should be furnished at as early a date as is possible. Plans have been prepared which, in the opinion of the Commissioner, will, if accepted, give the city a most satisfactory institution, and one which will compare favorably with any institution for similar purposes.

This institution should, in my opinion, be placed on one of the Harbor Islands, where, for various reasons, its work can be most satisfactorily and economically carried on.

Since July 1 all dark cells have been abolished, and the "old hospital cells" changed into "light solitaires," for which by their size and location they were well adapted.

The east wing of the old Lunatic Hospital has been put in thorough repair, enclosed in a separate yard, and is now used as a hospital, for which it is well fitted. The improvement in the condition of sick prisoners, transferred from the old hospital, would alone justify the change.

The work, and especially attempts at classification, both in this institution and in the House of Industry at Deer Island, is much hampered by the commitment to each of persons who are, for various reasons, unsuitable for the institution to which they are sent. Especially is this true of "drunks" and "fines" to the House of Correction, and of cases of more severity sent to the House of Industry who should go to the House of Correction.

The matter of commitments to these institutions should either be controlled, or the right to transfer inmates from one institution to the other placed in the hands of the commissioner by legislative action.

HOUSE OF REFORMATION.

Rainsford Island.

The improvement in the appearance, work, and spirit of the boys since the transfer from Deer Island, in May last, is highly gratifying.

The old buildings, formerly occupied by paupers, are now used by the boys, and are in many ways entirely unfitted for this purpose. These buildings, could, however, be utilized to good advantage as workshops, which are much needed, and will be still more, as the development of trade schools goes on.

Proper dormitory, hospital, heating, power, lighting, and kitchen facilities should be provided before another winter, if possible.

Since July 1st the printing department has been enlarged, the Sloyd system introduced, a shoe-shop and band organized. The boys manifest a deep interest in these branches, and the good effect of such instruction is apparent. Each department will be considerably enlarged during the coming year, and others organized; but it will be necessary to furnish greater and better accommodations to allow of their proper development.

The credit system has been introduced, and each boy is now expected to settle by his own exertions the length of his stay in the institution. It is not intended in the future to interfere with the good results of this system by exercising the power of release, granted to the commissioner under chapter 449, section 16, Acts of 1895.

The diet furnished inmates, of this institution especially, has been materially improved. While this may increase the cost of maintenance, the excellent effect upon the boys more than compensates for it.

Corporal punishment has practically been abolished, and

it is being demonstrated that mental suasion has at least as good an effect as the older method.

PARENTAL SCHOOL.

West Roxbury.

The Parental School is located on Spring street, West Roxbury, and borders upon the Charles river, which divides Boston from Dedham at this point. It comprises in all about twenty-eight acres. Besides the original buildings on the land when purchased, — namely, a wooden house, two barns, and various small out-buildings, — two new buildings have been erected at a cost of \$95,000. About \$125,000 has been expended in all upon the plant. An appropriation of \$50,000 was asked for, and granted, to build two dormitory buildings and a hospital. These buildings are in process of construction and will be occupied at the earliest possible moment.

There are to be two dormitory buildings, each to accommodate forty boys in separate rooms. The hospital will furnish beds for about eighteen or twenty boys in small wards and separate rooms. The contagious department is entirely isolated from that portion which is to be used for other cases. The present number of beds at the institution is fifty, and these have been entirely inadequate for the number sentenced. The greatly overcrowded condition has seriously hampered the work of the school, which is, however, considering the circumstances, in a very satisfactory condition.

MARCELLA-STREET HOME.

Roxbury.

While the present buildings and location of this institution are convenient, and perhaps sufficient for present purposes, they offer little if any possibility for its further development, either in numbers or along the lines of classification and the development of trade schools.

In September a small room, the only one available, was taken for a basket shop, and as many of the boys as it would accommodate were started in that work. In many ways this has been a distinct help, especially among the feeble-minded who up to that time had had little special treatment.

There are many ways in which these children might be taught the use of their hands and minds at little expense to the city and with great good to themselves. As it is, however, all the space is occupied and in many instances crowded, and it is impossible to carry out this plan to any extent on account of the lack of room.

The presence of the city swill shops and the city stables on the land immediately adjoining that occupied by this institution — these buildings being placed at a distance of only a few yards from the institution buildings, — is a distinct nuisance. While there may be little if any danger, under ordinary circumstances, to the children's health, the odor at nearly all times is highly objectionable and especially so in warm weather.

Since July 1st the dormitories, school-rooms, and officers' quarters have been quite thoroughly renovated and improved much in appearance and comfort. The old urinals and water-closets have been abolished and an entirely new system placed in a different part of the basement. The institution as a whole is in a satisfactory condition.

LONG ISLAND ALMSHOUSE AND HOSPITAL.

Long Island.

During the past six months a chapel and superintendent's house have been erected and occupied. The reservoir has been finished. The old sanitary and toilet-rooms have been abolished and a proper modern system is being introduced.

The hospital service has been materially improved by the appointment of a visiting staff of medical men whose standing in their profession is of the highest. All are connected with other large hospitals, and the results of their treatment and advice are already apparent in the improvement in the service and morale of the institution. Each of these gentlemen make regular weekly visits and such others as may be necessary.

Another step in advance has been the founding of a training school for "nurse attendants," the first of its kind in the country, and, so far as is known, in the world. The school is a popular one and a considerable waiting list already exists. There is a demand for this class of attendants and there is no question but that employment will be easily found for its graduates. The number of nurses in the hospital has been doubled, there now being about thirty.

One of the great needs of the city is a proper hospital for venereal diseases. No existing institution of good standing, and with proper facilities, takes these cases as such. Their number is large and increasing, and not only on their own account, but for the interest of the community at large, to which they are an ever-present menace, it is of the greatest importance that suitable provision should be made for their care. I would suggest that a suitable plant for the

purpose be created on Long Island, to be separated to as great an extent as possible from a pauper institution, where the poor, as well as paying patients, could be given the benefit of isolation and expert medical care. Such an institution could be created and maintained on Long Island at a moderate expense.

In the immediate future various methods of employment for the large number of inmates who are unable to do heavy manual labor will be introduced. Delay up to this time has been due to the lack of any suitable room for the purpose.

The institution as a whole is in a most excellent condition.

CHARLESTOWN ALMSHOUSE.

For a number of years no extensive repairs have been made in this institution, as several times it has been proposed to close it. It is necessary, in order that proper classification of the city paupers may be carried out, that this or a similar institution should exist for a certain class, especially deserving couples who, when separated from the large mass of paupers, can be given more latitude and comfort. The old Charlestown Almshouse is well suited to this purpose and should be maintained.

The buildings themselves are in good condition, but should be completely renovated and suitable laundry, toilet, and kitchen facilities furnished. The rooms in the upper story need more light and air, which can be readily furnished by an additional window in each room. A new wing with small rooms for the accommodation of about forty couples, where husband and wife, in approved cases, might occupy the same room, would add much to the institution and to the comfort and happiness of many deserving inmates.

A large sun room has been erected during the past few months, largely by institution labor, on the southern end of the building, and adds greatly to the comfort of the inmates. It is proposed to build a similar room on the other end for use by the women. This work will begin as soon as the weather will allow.

The institution as a whole is in an excellent condition.

CITY INSANE HOSPITAL.

Austin and Pierce Farms.

In October there was created an Advisory and Consulting Board to the City Insane Hospital, at Austin and Pierce

Farms, and the following gentlemen were appointed to serve upon it :

Dr. Clarence J. Blake, chairman, Dr. Herbert L. Burrill, Dr. Vincent Y. Bowditch, Dr. Henry R. Stedman, and Dr. Morton Prince.

Two of the Board are well-known alienists, and all are of high standing, thoroughly familiar with institution work, and especially interested in the subject of institutional development. Much time and attention have been given by them to the present condition and needs of these institutions, and the results of their consideration are embodied in the following suggestions for their improvement.

Soon after assuming charge of these institutions it became evident that their management might be more satisfactory. The institutions were separated by a considerable distance and it appeared impossible for the superintendent living at Pierce Farm to give the time and attention to the other institution which was advisable from one responsible for both.

On September 5 the two institutions were separated, and Dr. Lane, who had up to that time been Assistant Superintendent, was promoted to the superintendency and placed in charge of Austin Farm. This change has proved itself a good one and resulted in many improvements in methods and details.

Austin Farm.

The institution is in parts very much overcrowded and the necessity for more separate rooms constantly being demonstrated. "A" building is totally unfit for use for insane patients, poorly heated and ventilated, very crowded, and in general bad condition. It should be condemned as soon as it is possible to secure proper buildings for the care of the one hundred and seventy women who are now crowded into it. The demand for this change is imperative.

The superintendent's house and business offices are totally inadequate for their purpose, and suitable accommodations should be provided as soon as possible.

"B" building is used for dormitory patients and is now in good condition, the ventilation, which was defective, being much improved by the opening of transoms and the removal of "stops" in the windows, allowing the sash to be raised to its full extent in warm weather. The summer temperature of these rooms has thus been reduced five or more degrees.

The barns and farm buildings should be removed from their present location near Canterbury street to the rear, where they would be less prominent, more convenient, and where any odor will not be so noticeable.

The putting of attendants in uniforms has improved their appearance and the morale of the institution.

Employment for the inmates is being gradually introduced and in many cases a good effect is apparent. Unfortunately there is no suitable room or building which at present can be utilized for shop work.

Pierce Farm.

The commissioner regrets that it is necessary to report the resignation, on November 1, of Dr. T. W. Fisher who for many years has served the city faithfully and with distinction as the superintendent of its Lunatic Hospital. Dr. Bolton, formerly first assistant physician, was made acting superintendent and is now in charge of the institution.

In their report looking towards the improvement of this institution the Advisory and Consulting Board say:

"As a help towards securing the best results in this direction it seems to this Board necessary, after careful inspection of the land and buildings at the Austin and Pierce Farms, that the high land adjoining Pierce Farm, known as the Fottler, Holbrook, and Jones estates, comprising in all about sixty-five acres, should be purchased by the city; and we accordingly recommend acquiring the same at an early date."

I would strongly recommend that this land be acquired by the city as it is in my mind essential for the proper protection and development of the institution.

A suitable administration building and house for the superintendent is greatly needed and should be furnished at once, as should be shops and a chapel, and in the near future more dormitory buildings will be needed.

The institutions are at present lighted with gasoline, which is in many ways insufficient. An attempt has been made to furnish gas, but without success on account of the expense. It is now proposed to light with electricity, and it is hoped that in a short time suitable and satisfactory light will be furnished.

There seems to be no doubt that in the future, and as rapidly as is expedient, Boston should care for all her own insane and in her own institutions. This can probably be done as well as it is at present for less money and much better for a very small increase. There are at present thirteen hundred and ninety-two insane patients for whom the city of Boston is responsible, and in ten years there will probably be eighteen hundred. When the additional land, the acquirement of which has been recommended, is secured

by the city, there will be enough for an institution to accommodate this number, and the majority of available building sites will then be, as they are now, in connection with Pierce Farm, and it is there that most of the patients must be accommodated.

When new buildings are erected they should be so located and planned as to be available for use in the completed plant.

One of the greatest needs of these two institutions is proper classification for their inmates, and, while this is now being done to a certain extent, it is absolutely impossible to properly accomplish this object until suitable and sufficient buildings have been erected. It is therefore strongly urged by the commissioner that such buildings should be erected at as early a date as is possible.

INFANTS' HOSPITAL.

Rainsford Island.

During the past three years Dr. H. C. Ernst, of Jamaica Plain, has been carrying on, with the help of private charity, a summer hospital for infants. The old hospital building at Rainsford Island has been used for this purpose, and a great deal of good has been accomplished.

At the time when Dr. Ernst brought up this question there was no place in or about Boston where proper care could be given the large number of children and infants under two years old, suffering from the ordinary summer complaints. Dr. Ernst has successfully demonstrated the importance and necessity of such an institution, and it is entirely due to his efforts that it has been carried on for these years so satisfactorily and successfully.

The necessity for such an institution having been demonstrated, it is proposed that the city, as a part of its Institutions Department, shall carry on this work. The buildings and the grounds will be put in thorough and satisfactory condition during the winter and spring, and it is expected that the institution will be opened early in the summer and continued until such time in the fall as the demand will necessitate.

Dr. T. M. Roche has been appointed Medical Director of the institution, and will have entire charge of the medical care and management of the patients who are admitted.

The various institutions as a whole are in excellent condition, such as to reflect great credit on their several superintendents, and it is evident that they have in the past, as during the last seven months, done the best that they could

to serve the institutions in their charge, as well as the department and the city to whom they are responsible.

An ambulance has been added to the equipment of the pauper department and has proved to be a valuable addition. It is kept within easy call of the central office.

Your attention is respectfully called to the reports of the several superintendents appended. The recommendations made in the reports are on the whole approved by me, and should be carried out as far as practicable. The institutions are in better condition than ever before, and the efforts of the commissioner have been constantly in the line of improvement.

Respectfully submitted,

A. B. HEATH,
Commissioner.

DEER ISLAND INSTITUTIONS.

SUPERINTENDENT'S REPORT.

DR. A. B. HEATH, *Institutions Commissioner*:

DEAR SIR: I herewith hand you my annual report of the institutions on Deer Island, which comprise the House of Industry, Men and Women's Department, and Hospital.

During the past year the reformation boys were removed to Rainsford Island and the truant boys to the Parental School at West Roxbury. It has given us the much-needed room for classification; also separated the men from the women.

Two hundred and fifty women were removed to the 'boys' quarters, which are all the buildings will accommodate, and the remainder are quartered in the laundry building, which gives us three separate institutions besides the hospital.

First comers in the Women's Department are placed in the wooden building formerly occupied by the reformation boys. Those who have been here before, or whom we know have been inmates of other institutions, are in the brick building formerly occupied by truant boys. The laundry building accommodates about eighty-five women, which includes those at work at the laundry, hospital, or Superintendent's house.

We have built a strong-room that contains twenty-six light, well-ventilated cells for men. The unruly ones are placed there by themselves, so that if noisy, they will not disturb well-behaved inmates.

The foundation is about complete for our new building. It will be about 325 feet long by 50 feet wide, and will contain 500 cells. It will be occupied, when finished, by men who come here for the first time, and will make our classification very good and give plenty of shop room to keep them employed.

There should be a new building for women, as those that they now occupy are not well adapted for their use. They are not roomy enough, and the women should be under one roof, except those in the hospital. There should be a chapel in their department. It is quite a distance to bring the women twice every Sunday, especially if the weather is

stormy. Now the men and women congregate together at the same service, while the chapel is only large enough for the men, and this does not promote good order, as it takes their attention and mind from what the chaplains are saying while looking for some acquaintance. What improvements have been made are beneficial, and I am in hopes that in a very short time we will be second to none in our system of classification and in caring for those under our charge.

The plank covering of the wharf, also some of the capping and piling in front of the coal sheds, are becoming decayed and badly chafed by vessels and is unsafe for teams to pass over or vessels to tie up at in the spring.

We have introduced one hundred and fifty new sewing-machines, and have enlarged our cane-shop, which will increase our income and keep two hundred extra hands profitably employed.

I would recommend that we start a broom-shop and make our own brooms.

An average of one hundred and twenty-five male prisoners has been employed in the stone-yard under officer Sanborn, with Messrs. Doyle, Fitzpatrick, and McGinley as instructors. They have made a good showing as will be seen by the following table of what has been cut and sold to the Street and Sewer Departments and the amount on hand, viz., 50,227 feet edgestone, 251 curb corners, 110 catch-basins, 287 gutter mouths; and of finished work on hand we have 13,181 feet edgestone, 33 catch-basins, 407 curb corners; and of rough stock on hand we have 1,947 feet edgestone, and 3 catch-basins.

All the departments have been working harmoniously, and our income of over \$55,000 speaks for itself. Plenty of work, with strict but humane officers who are interested in their work, keeps things running smoothly.

Our farm stock is in good condition and all of the crops were abundant. The following were the principal products:

Hay	.	.	.	.	.	.	119 tons.
Oat fodder	.	.	.	.	.	.	60 "
Corn and ensilage	.	.	.	.	.	.	308 "
Mangel beets	.	.	.	.	.	.	217 "
Squash	.	.	.	.	.	.	36 "
Pumpkins	.	.	.	.	.	.	7 "
Ice	.	.	.	.	.	.	1,000 "
Turnips	.	.	.	.	.	.	82 "
Carrots	.	.	.	.	.	.	116 "
Parsnips	.	.	.	.	.	.	21 "
Table beets	.	.	.	.	.	.	436 bushels.

Onions	.	.	.	.	.	4,856 bushels.
Potatoes	.	.	.	.	.	331 "
Tomatoes	.	.	.	.	.	1,516 "
Peas	.	.	.	.	.	84 "
Bush beans	.	.	.	.	.	142 "
Pole beans	.	.	.	.	.	49 "
Cucumbers	.	.	.	.	.	268 "
Melons	.	.	.	.	.	30 "
Beet greens	.	.	.	.	.	178 "
Spinach greens	.	.	.	.	.	291 "
Cabbage greens	.	.	.	.	.	362 "
Dandelion greens	.	.	.	.	.	330 "
Peppers	.	.	.	.	.	5 "
Pears	.	.	.	.	.	28 "
Grapes	.	.	.	.	.	5 "
Apples	.	.	.	.	.	301 "
Currants	.	.	.	.	.	134 boxes.
Raspberries	.	.	.	.	.	133 "
Strawberries	.	.	.	.	.	201 "
Cabbage	.	.	.	.	.	33,346 heads.
Lettuce	.	.	.	.	.	976 "
Rhubarb	.	.	.	.	.	1,300 lbs.
Celery	.	.	.	.	.	5,112 bunches.
Radishes	.	.	.	.	.	1,200 "
Asparagus	.	.	.	.	.	1,426 "
Milk	.	.	.	.	.	258,943 pounds.
Eggs	.	.	.	.	.	800 dozen.
Ducks	.	.	.	.	.	16½ "
Chickens	.	.	.	.	.	264 "
Bedding plants	.	.	.	.	.	972 "
Manure	.	.	.	.	.	1,268 cords.
Wood	.	.	.	.	.	316 "

The piggery has produced the following :

Pork slaughtered, 67,517 lbs., at 7cts.	.	.	.	.	\$4,726 19
Sale of live pigs	.	.	.	.	850 00
Sale of soap-grease	.	.	.	.	26 11
350 cords of manure	.	.	.	.	875 00
765 hhds. soft soap, at \$5	.	.	.	.	3,825 00
					<hr/>
					\$10,302 30
Cost of soap stock	.	.	.	\$105 21	
Cost of grain	.	.	.	40 00	
				<hr/>	145 21
					<hr/>
Net profit to the institution	.	.	.	.	<u>\$10,157 09</u>

Eight hundred tons of good ice have been cut and housed, sufficient to carry us through the present year. Gas of a good quality, at an average of fifty-seven cents per 1,000 cubic feet, has been made on the premises. This does not include labor or repairs, but simply the cost of coal for making, and lime for purifying the gas.

Our institutions are growing beyond the capacity of our three retorts, and they cannot supply gas enough to allow each inmate light to read by after retiring to his cell, as the law requires. We are always short of gas through the months of December and January, and an electric plant would give us the required light inside and outside, and would be more economical after the plant was in.

My officers are faithful and efficient workers, and there have been but few changes the past year. Now that the salaries are increased there will be less, as this institution has been a recruiting station to make officers for other institutions whose salary lists are larger. They will now be content to stay with us.

Assistant Superintendent Perkins, who had been with me for over three years, resigned last June to take charge of the reformation boys at Rainsford Island. He was a good officer, and is well qualified for the position he now holds. He succeeded Gen. M. T. Donahoe, whose sudden death occurred May 26, 1895, after a short service with the boys. The general's long service as secretary for the commissioners endeared him to all who were associated with public institutions, and his genial smile and brotherly advice, given at all times to comrade and friend, will ever be cherished by us.

The vacancy caused by resignation of Mr. Perkins was filled by George W. Shepardson, who came well recommended from Superintendent Scott, of the Concord Reformatory. Good institution officers, who take pride in their work rather than in compensation received or positions they hold, are not plenty. He is well liked by officers and inmates.

Rev. William B. Toulmin continues as chaplain of the Island Institutions, and holds service every Sunday afternoon. He also visits Long and Rainsford Islands in the forenoon. The Rev. Father Hamilton ably fills the place of Father McAvoy, who was obliged to retire on account of poor health. Mass is held every Sunday morning. Both chaplain and priest who officiate at this Island are faithful in their duties, looking after the spiritual welfare of all who desire their counsel and advice upon such matters.

Dr. Thomas F. Roche, the Resident Physician, has proved

himself competent to handle the class of patients we have here with skill and courtesy, and is ably assisted by Dr. David Brough, Port Physician.

During the year fines for 1,221 prisoners have been paid to the County of Suffolk Treasurer, amounting to \$9,581.04. This amount does not go to the credit of the House of Industry, and consequently does not increase our income.

The cost to the institution to make respectable and comfortable many of the inmates on their discharge, who arrive here destitute, amounts to a considerable sum each year. During the present year 6,877 garments have been given away. There have been made for their use and wear 3,168 pairs brogans, 756 pairs women's shoes, 888 pairs women's slippers, 1,691 coats, 2,658 pairs pants, 1,918 vests, $197\frac{2}{3}$ dozen pairs overalls, 159 dozen cotton shirts, $289\frac{1}{2}$ dozen woolen shirts, 18 dozen waiters' white coats, $8\frac{6}{12}$ dozen waiters' white aprons, $1\frac{6}{12}$ dozen overcoats, 580 chemises, 435 skirts, 236 pairs drawers, 724 dresses, 289 tiers, 560 aprons, 296 handkerchiefs, 65 nightdresses, 924 napkins, 64 tablecloths, 365 roller towels, 28 curtains, 1,591 sheets, 1,916 pillow-slips, 401 bed-ticks, 230 pillow-ticks, 417 pairs mens' hand-knit woolen socks, 65 bags, 120 machine covers.

We have also cut, made, and trimmed for Long Island 195 coats, 234 pairs pants, 99 vests, 60 pairs drawers, 24 woolen shirts; for Rainsford Island 246 pairs pants, 39 coats, 35 vests, 8 ulsters; for Charlestown Almshouse, 39 suits clothing, $2\frac{6}{12}$ dozen woolen shirts, $2\frac{8}{12}$ dozen pairs drawers.

ALMSHOUSE DEPARTMENT.

	Men.	Women.	Boys.	Girls.	Total.
Remaining January 31, 1895 .	4	3	1	0	8
Admitted	143	64	0	0	207
	—	—	—	—	—
	147	67	1	0	215
Discharged	139	65	1	0	205
	—	—	—	—	—
Remaining January 31, 1896 .	8	2	0	0	10

During the year there were admitted to this department 19 males and 2 females from the House of Industry who were too sick to leave on expiration of sentence.

There have been eight deaths during the year.

HOUSE OF INDUSTRY DEPARTMENT.

	Men.	Women.	Total.
Remaining January 31, 1895	1,115	315	1,470
Committed	7,152	1,192	8,344
	<hr/>	<hr/>	
	8,307	1,507	9,814
Discharged	7,093	1,202	8,295
	<hr/>	<hr/>	
Remaining January 31, 1896	<u>1,214</u>	<u>305</u>	<u>1,519</u>

Children of sentenced mothers:

Remaining January 31, 1895	11
Admitted	38
	<hr/>
	49
Discharged	37
	<hr/>
Remaining January 31, 1896	<u>12</u>

Of the above 4 died during the year.

Causes for discharge:

Expired sentence	5,518
Pardoned	1,486
Fines paid	1,221
Died :	50
Sent here by error of court	9
Escaped,	5
Bailed	3
Pardoned by Governor	2
By order of court	1
	<hr/>
Total	<u>8,295</u>

Offences for which committed:

Drunkenness	6,562
Assault and battery	452
Larceny	424
Fornication	184
Vagrant	182
Idle and disorderly	126
Common night-walker	44
Breaking glass	36
Non-support	31
Unlawfully keeping intoxicating liquors for sale	31

Disturbing the peace	28
Walking on railroad track	20
Malicious injury to personal property	18
Obstructing the sidewalk	14
Assault	14
Embezzlement	13
Unlawful appropriation	13
Noisy and disorderly house	13
Trespass	11
Profanity	9
Common drunkard	9
Larceny from person	7
Keeping a common liquor nuisance	7
Throwing missiles in the street	6
Indecent exposure	5
Vagabond	5
Playing cards on the Lord's day	5
Obscenity	5
Peddling without a license	4
Violating city ordinance	4
Receiving stolen goods	4
Being present where gaming implements were found,	4
Obtaining money by false pretences	4
Assault and battery with dangerous weapon	4
Cruelty to animals	3
Disturbing a religious meeting	3
Obtaining goods by false pretences	3
Rescuing a prisoner	3
Attempt at larceny	3
Lying on grass in a public ground	2
Evading payment of car-fare	2
Common beggar	2
Building a bonfire in street	2
Threats	1
Stubborn child	1
Common railer and brawler	1
Loitering in railroad station	1
False pretences	1
Adultery	1
Breaking and entering	1
Fraudulently conveying property	1
Breaking a street lamp	1
Selling cigarettes to a minor	1
Fraudulently procuring entertainment at an inn	1
Bathing in Boston harbor	1
Tramp	1
Discharging firearms in street	1

Carrying a dangerous weapon	1
Having policy slips in possession with intent to sell,	1
Attempt to rescue prisoner	1
Indecent assault	1
Disturbing a school	1
Allowing hand-cart to remain in street	1
Obstructing passage of street-car	1
Keeping an unlicensed dog	1
Making a false alarm of fire	1
Total	<u>8,344</u>

Of the above there were returned from probation 47 men and 9 women.

Sentences of those committed:

Non-payment of fines	3,964
5 days	10
10 "	28
15 "	73
30 "	21
70 "	1
157 "	1
287 "	1
331 "	1
Returned from probation	56
1 month	452
2 months	712
3 "	1,122
4 "	701
5 "	195
6 "	770
7 "	1
8 "	40
9 "	84
10 "	3
12 "	108
Total	<u>8,344</u>

Of the above, 3 men who had escaped were returned to serve the remainder of their sentences and 7 men were committed as under bonds for 6 months.

Number sentenced for drunkenness:

Males	5,695
Females	867
Total	<u>6,562</u>

Number sentenced for offences other than drunkenness:

Males	1,452
Females	321
Total	<u>1,773</u>

Number sentenced as common drunkards:

Males	5
Females	4
Total	<u>9</u>

Number sentenced for non-payment of fines and costs for drunkenness:

Males	2,779
Females	184
Total	<u>2,963</u>

Number of times persons sentenced as common drunkards have been committed to the House of Industry:

For the 1st time	4
“ “ 2d “	1
“ “ 3d “	1
“ “ 5th “	1
“ “ 11th “	1
“ “ 13th “	1
Total	<u>9</u>

Number of times persons committed for non-payment of fines and costs have been committed to the House of Industry:

For the 1st time	1,361
“ “ 2d “	488
“ “ 3d “	302
“ “ 4th “	171
“ “ 5th “	117

For the 6th time	.	.	.	.	.	.	76
" " 7th "	.	.	.	.	.	.	65
" " 8th "	.	.	.	.	.	.	52
" " 9th "	.	.	.	.	.	.	40
" " 10th "	.	.	.	.	.	.	40
" " 11th "	.	.	.	.	.	.	32
" " 12th "	.	.	.	.	.	.	34
" " 13th "	.	.	.	.	.	.	20
" " 14th "	.	.	.	.	.	.	18
" " 15th "	.	.	.	.	.	.	16
" " 16th "	.	.	.	.	.	.	9
" " 17th "	.	.	.	.	.	.	10
" " 18th "	.	.	.	.	.	.	10
" " 19th "	.	.	.	.	.	.	11
" " 20th "	.	.	.	.	.	.	8
" " 21st "	.	.	.	.	.	.	6
" " 22d "	.	.	.	.	.	.	11
" " 23d "	.	.	.	.	.	.	7
" " 24th "	.	.	.	.	.	.	6
" " 25th "	.	.	.	.	.	.	4
" " 26th "	.	.	.	.	.	.	3
" " 27th "	.	.	.	.	.	.	4
" " 28th "	.	.	.	.	.	.	13
" " 29th "	.	.	.	.	.	.	1
" " 30th "	.	.	.	.	.	.	1
" " 31st "	.	.	.	.	.	.	2
" " 32d "	.	.	.	.	.	.	2
" " 33d "	.	.	.	.	.	.	3
" " 35th "	.	.	.	.	.	.	1
" " 36th "	.	.	.	.	.	.	2
" " 38th "	.	.	.	.	.	.	2
" " 39th "	.	.	.	.	.	.	2
" " 41st "	.	.	.	.	.	.	1
" " 44th "	.	.	.	.	.	.	1
" " 45th "	.	.	.	.	.	.	1
" " 48th "	.	.	.	.	.	.	1
" " 56th "	.	.	.	.	.	.	1
" " 60th "	.	.	.	.	.	.	1
" " 66th "	.	.	.	.	.	.	1
" " 68th "	.	.	.	.	.	.	1
" " 72d "	.	.	.	.	.	.	1
" " 74th "	.	.	.	.	.	.	2
" " 75th "	.	.	.	.	.	.	1
Total	.	.	.	.	.	.	<u>2,963</u>

Largest, House of Industry (Men's Department)	. 1,330
“ “ “ “ (Women's “)	. 370
“ Almshouse Department . . .	. <u>18</u>
Smallest, House of Industry (Men's Department)	. 990
“ “ “ “ (Women's “)	. 264
“ Almshouse Department . . .	. <u>3</u>
Average, House of Industry (Men's Department)	. 1,210
“ “ “ “ (Women's “)	. 323
“ Almshouse Department . . .	. <u>9</u>
Total average . . . . .	. <u>1,542</u>

The past year has been one of good order and great harmony and general good health has prevailed. One death has occurred among my corps of officers. Mr. Thomas L. Vose, the second oldest officer, of some thirty years' service, died January 12, 1896, at the ripe old age of ninety years and three months, a genial, kind old gentleman, beloved by us all.

The old Board of Commissioners, whose term of office expired July 1, 1895, consisting of three gentlemen, Dr. Thomas L. Jenks, Edwin L. Pillsbury, and John D. Berran, were men of ability and good servants for the city, and my associations with them will ever be remembered with pleasure.

Thanking you, Mr. Commissioner, for the many courtesies extended to me, and wishing you every success, it will be my earnest endeavor to aid and assist you at all times.

Yours very respectfully,

JAMES R. GERRISH,
Superintendent.

DEER ISLAND, January 31, 1896.

CHAPLAIN'S REPORT.

DEER ISLAND, January 31, 1896.

JAMES R. GERRISH, ESQ., *Superintendent of Deer Island Institutions:*

DEAR SIR: I respectfully submit to you my annual report as Chaplain and Director of Music.

The year of work for 1895 has been successfully accomplished and its results are good, and we believe will fully attain the progressive aims looked for from the changes made.

The schools have been removed from our island, "beautiful for situation," where many hundreds of boys have received a good education and discipline for life's struggles.

The truant boys are now at the Parental School in Roxbury, and the reformation boys at Rainsford Island. At this latter place I continue my position as Superintendent of Schools.

The religious services have been faithfully conducted on Sunday as usual, and the spiritual needs of all have been attended to carefully. Funeral services and baptismal rites have been administered when called upon. The congregations at chapel services are large and have continued so, owing to the increased number of inmates. The attention given during worship is marked and we hope inspiration for reform and encouragement is derived. Singing at Sunday service is by the male inmates of the institution, who are formed into a choir and drilled every Saturday afternoon.

Miss Clara W. Baker as organist at Deer Island and also at Long Island fills most acceptably both positions.

Library. — This department of the House of Industry is an important and excellent feature, and through it we seek to interest and elevate the mind of the reader. Most of the inmates of both sexes are fond of reading, and we therefore take pleasure in carefully selecting good literature. The library for the women is well furnished with suitable books, papers, and pamphlets. The men are not so well supplied, but additions are soon expected.

For reading matter we are indebted to the Hospital Newspaper Society, which has our grateful acknowledgments. Our chief source of supply is the city Library, where we are kindly remembered.

I have taken an interest in the material condition of our people ; indeed I have given it considerable attention, and I can record that they are well cared for as to food, clothing, and suitable bedding — all in a home of matchless cleanliness.

My interest is great and sincere for the reform and uplifting of the large number of inmates under your charge — trusting that they may become reliant, self-supporting, and useful in all walks of life.

Allow me to acknowledge your kindly assistance in the various relations of my work.

Respectfully,

W. B. TOULMIN,
Chaplain and Director of Music.

REPORT OF RESIDENT PHYSICIAN.

TO JAMES R. GERRISH, ESQ., *Superintendent of Deer Island Institutions:*

SIR: I herewith respectfully submit the annual report of the Medical Department of the institutions under your supervision:

ALMSHOUSE.

Patients remaining in hospital February 1, 1895,	7
Admitted:	
Males	143
Females	64
	<hr/> 207
Total	<hr/> 214
Discharged	196
Died	8
	<hr/> 204
Remaining in hospital February 1, 1895 .	10
	<hr/>
Total	214
Largest number in hospital at one time .	19
Smallest " " " " " " .	3
Daily average " " " " " " .	9

HOUSE OF INDUSTRY.

Patients remaining in hospital February 1, 1895,	84
Admitted:	
Males	1,015
Females	532
	<hr/> 1,547
Total	<hr/> 1,631
Discharged	1,511
Died	50
	<hr/> 1,561
Remaining in hospital, February 1, 1896 .	70
	<hr/>
Total	1,631

INSTITUTIONS DEPARTMENT.

39

Largest number in hospital at any time	96
Smallest " " " " " "	51
Daily average	<u>71</u>

RECAPITULATION.

Number of patients in hospital February 1, 1895 :

Almshouse	7
House of Industry	84
	<u>91</u>

Admitted :

Almshouse	207
House of Industry	1,547
	<u>1,754</u>

Total	<u>1,845</u>
-----------------	--------------

Discharged :

Almshouse	196
House of Industry	1,511
	<u>1,707</u>

Died :

Almshouse	8
House of Industry	50
	<u>58</u>

Remaining in hospital February 1, 1895 :

Almshouse	10
House of Industry	70
	<u>80</u>

Total	<u>1,845</u>
-----------------	--------------

Largest number in hospital at one time	105
Smallest " " " " " "	61
Daily average	81

Deaths not reported in above tables, two prisoners' children.

DISEASES TREATED IN THE HOSPITALS OF ALL THE DEPARTMENTS.

Classified according to the Nomenclature of Diseases, as published by the Royal College of Physicians of London.

DISEASES.	In Hospital, Feb. 1, 1896.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
GENERAL DISEASES.								
A.								
Measles		4	4					4
Febricula.....		54	54					54
Intermittent fever		19	9	10				19
Erysipelas	1	12	12					12
Anæmia		5		5				5
Chronic malarial poisoning	4	12	4	11				15
Parotiditis		7	7					7
Influenza		32	32					32
B.								
Muscular rheumatism.....		9	7	2				9
Articular "	2	27	20	6				26
" " (chronic).....		11		9	2			11
Phthisis pulmonalis.....	6	26		5	18	4		27
Opium habit.....		1		1				1

DISEASES.	In Hospital, Feb. 1, 1895.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
Alcoholism	4	234	235	...	...	...	235	3
Chronic alcoholism .....	...	20	...	20	...	...	20	...
Delirium tremens	4	154	149	...	...	7	156	2
Scrofulosis .....	...	4	...	4	...	...	4	...
Observation	3	36	34	...	...	...	34	5
Malingering .....	...	17	17	...	...	...	17	...
Marasmus .....	...	2	...	...	...	2	2	...
General debility	6	63	55	10	...	...	65	4
Senility "	2	25	...	2	19	5	26	1
General tuberculosis	1	3	...	...	3	1	4	...
DISEASES OF NERVOUS SYSTEM.								
Apoplexy .....	...	1	...	...	...	1	1	...
Paresis .....	...	4	...	...	3	1	4	...
Paralysis .....	...	2	...	...	2	...	2	...
Tetanus .....	...	1	...	...	...	1	1	...
Locomotor Ataxia .....	...	2	...	...	2	...	2	...
Hysteria .....	...	1	...	1	...	...	1	...
Epilepsy	1	27	...	2	25	1	28	...
" (alcohol) .....	...	3	...	3	...	...	3	...
Neuralgia .....	...	5	5	...	...	...	5	...
" (facial) .....	...	3	3	...	...	...	3	...
Sciatica .....	...	1	...	...	...	...	...	1
Pleurodynia .....	...	8	8	...	...	...	8	...

DISEASES.	In Hospital, Feb. 1, 1895.	Admitted.	DISCHARGED.					In Hospital, Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
Lumbago		5	5				5	
Cephalalgia.....		3	3				3	
Vertigo.....		1		1			1	
Singultus (chronic).....		1			1		1	
DISEASES OF THE INTELLECT.								
Insanity	5	40			40		40	5
Mania (acute).....		6			5		5	1
Melancholia.....		7			7		7	
Dementia.....	1	10			7	1	8	5
“ (senile).....		2			1	1	2	
False hearing		4			4		4	
Alcoholic insanity		10	9	1			10	
DISEASES OF THE CIRCULATORY SYSTEM.								
Functional disease of the heart.....		2		2			2	2
Valvular disease of heart.....	2	11		1	5	7	13	
“ “ “ (aortic).....		2			2		2	
“ “ “ (mitral)		4		1	3		4	
DISEASES OF THE RESPIRATORY SYSTEM.								
Hemoptysis		8		8			8	
Bronchitis (acute).....	8	76	68	12			80	4
“ (chronic).....		6		1	5		6	
Asthma.....	3	6		8		1	9	
Pneumonia	3	83	51			24	75	11

DISEASES.	In Hospital Feb. 1, 1895.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
Pleurisy		6	4	2			6	
Chronic catarrhal pneumonia		2			2		2	
Laryngitis		1		1			1	
DISEASES OF FACIES AND PALATE.								
Tonsillitis	2	26	28				28	
" (ulc.)		4	4				4	
" (foll.)		23	23				23	
Pharyngitis	1	12	13				13	
" (ulc. syph.)	1	1		2			2	
DISEASES OF THE DIGESTIVE SYSTEM.								
Gastritis	2	15	17				17	
Dyspepsia		3		8			8	
Gastro-enteritis		3	3				3	
Dysentery		5	5				5	
Diarrhœa		35	32				32	3
" (chronic)		3		3			3	
Constipation		2	2				2	
Intestinal colic		3	3				3	
Cholera morbus		33	33				33	
Jaundice (catarrh)		2	2				2	
Indigestion		14	14				14	
Cirrhosis of liver		2			2		2	

DISEASES.	In Hospital Feb. 1, 1895.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
DISEASES OF THE URINARY SYSTEM.								
Bright's disease (acute).....		1				1	1	
“ “ (chronic).....	1	1			1	1	2	
Cystitis.....		4	1	2		1	4	
Incontinence (urine).....		2		2			2	
Retention (urine)		1		1			1	
DISEASES OF WOMEN.								
Engorged breasts.....		3	3				3	
Retroversion.....		1		1			1	
Metritis		2		2			2	
Endometritis		3		2			2	1
Vaginitis (specific)		27	19	8			27	
Uterine fibroid.....	1	4			5		5	
Dysmenorrhœa	1	3		4			4	
Menorrhagia		5	5				5	
Pregnancy	4	9	8		3		11	2
Abortion.....	1	4	4				4	1
Amenorrhœa		2		2			2	
Metrorrhagia	1	3		3			3	1
DISEASES OF THE CUTANEOUS SYSTEM.								
Erythema.....		5	5				5	
Psoriasis.....		4		4			4	
Urticaria ...		1	1				1	

DISEASES.	In Hospital Feb. 1, 1895.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
Eczema.....		6		4	2		6	
" (capitis).....		2		2			2	
Herpes circinatus.....		12	12				12	
Pediculi capitis.....		4	4				4	
" (vest.).....		2	2				2	
" (pubis).....		30	30				30	
Scabies.....		3	3				3	
Surgical Diseases.								
VENEREAL DISEASES.								
Gonorrhœa.....		52	38	14			52	
Balanitis.....		3	3				3	
Phimosis.....		2	2				2	
Paraphimosis.....		1	1				1	
Bubo.....		10	8	2			10	
Chancre.....		1	1				1	
Chancroids.....		18	18				18	
Orchitis.....		8	2	6			8	
Œdema of penis.....		2	2				2	
Stricture of urethra (org.).....		12		11			11	1
" " " (spasm).....		1	1				1	
Syphilis.....	1	4		4			4	1
" (secondary).....		3		3			3	
" (tertiary).....	1	15		13			13	3

DISEASES.	In Hospital Feb. 1, 1895.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
Venereal warts		6	6				6	
INJURIES.								
Burns	2	3	5				5	
Frost-bite	1	3	4				4	
Contusions		26	26				26	
" of eye		3	3				3	
Incised wounds		5	5				5	
Lacerated wounds		8	8				8	
" " (scalp)		30	28				28	2
" " (face)		11	11				11	
" " (hands)	1	4	5				5	
" " (leg)		6	6				6	
Foreign body in hand		1	1				1	
Sprain of (wrist)		2	2				2	
" " (ankle)	1	17	17				17	1
" " (knee)		1	1				1	
Dislocation of shoulder	1	3	3				3	1
Fracture of inf. maxilla		2	2				2	
" " nose		2	2				2	
" " clavicle (comp.)	1	1	2				2	
" " radius (colles.)		2	1				1	1
" " " (ulna.)		1	1				1	
" " nose (comp.)		1	1				1	

DISEASES.	In Hospital Feb. 1, 1895.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
Fracture of ribs		4	4				4	
" " patella.....		1		1			1	
" " fibula	1	1	2				2	
" " tibia and fibula (comp.)		1	1				1	
" " leg (old).....		1			1		1	
" " toe (comp.).....		1	1				1	
UNCLASSIFIED.								
Varicose veins		8			8		8	
Necrosis radius.....		1		1			1	
Hemorrhoids		12	3	9			12	
Fistula in ano		3			2		2	1
Abscess	1	9	10				10	
" (alveolar)		22	21				21	1
" (palmar)		2	2				2	
" (cervical).....	1	5	6				6	
Abscess (axillary).....	1	3	4				4	
" (labial)		4	4				4	
" (perineal)		1	1				1	
Mastitis.....		2	2				2	
Varicose ulcers		21	9	9			18	3
Ulcers.....	1	19	15	4			19	1
Hernia, inguinal.....		7			7		7	
" " (double)		1			1		1	
" (umbilical).....	1	2			3		3	

DISEASES.	In Hospital Feb. 1, 1896.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1896.
			Well.	Improved.	Unimproved.	Died.	Total.	
Furuncle		5	5				5	
Furunculosis		3	3				3	
Carbuncle		1	1				1	
Felon		3	2				2	1
Hydrocele		5		5			5	
Torticollis		1	1				1	
Cellulitis.....		20	20				20	
Ingrowing toe-nails		2	2				2	
Fibroid of breast.....	1				1		1	
Synovitis		11	4	7			11	
Epistaxia		2	2				2	
Goitre		1			1		1	
Amputation of leg (old).....		3			3		3	
DISEASES OF THE EYE.								
Conjunctivitis	1	14	10	3			13	2
Coréal ulcer		3		1			1	2
Foreign body in cornea		15	15				15	
Iritis	1	5	4	2			6	
Blindness	1	2			3		3	
Trichiasis.....		2		1			1	1
DISEASES OF THE EAR.								
Chronic inflammation middle ear		3			3		3	
Otorrhœa	1	7	3	5			8	
Total.....	91	1966	1438	277	202	60	1977	80

NOTE. — Some cases not admitted to the hospitals are included in this classification, which will account for the difference in the number of admissions between the above statistics and the preceding tables.

The past year 1,631 inmates of the House of Industry were admitted to the hospital and received treatment. Of this number 50 died. Besides those admitted to the hospital a great many of the inmates received treatment for minor ailments at sick-call. There were also admitted to the hospital 214 paupers, most of whom were received on application of Dr. George F. Jelly, the examining physician in lunacy, and were suffering with delirium tremens or else sent for observation as regards their sanity.

There were 8 births — 4 male and 4 female, 2 still-born. In the nursery 45 children of prisoners were received.

The original plan of this hospital calls for another ward on the male side and we need it very badly as we are crowded for room on that side and are obliged, especially during the fall and winter months, to sleep patients in beds made up on the floor. At times we have had as many as eighteen sleeping in this manner. As regards repairs, painting, and furnishings, the hospital is in excellent condition.

December 5, 1895, Dr. Francis A. Lane, Port and Assistant Resident Physician, resigned to enter upon private practice and was succeeded by Dr. David D. Brough, who was promoted January 1, 1896. Dr. B. H. Metcalf was appointed Assistant Port Physician. Dr. John A. Hickey was appointed interne July 1, 1895.

Rev. Father Hamilton, S.J., and Rev. M. Toulmin are very faithful in attending to the spiritual welfare of the sick and dying.

Thanking you for the many courtesies extended me, I am

Very respectfully,

THOMAS F. ROCHE, M.D.,

Resident Physician.

DEER ISLAND, BOSTON HARBOR, February 1, 1896.

COUNTY OF SUFFOLK, HOUSE OF CORRECTION.

SOUTH BOSTON, February 1, 1896.

DR. A. B. HEATH, *Institutions Commissioner*:

DEAR SIR: I have the honor to submit the following report and statistics of the Suffolk County House of Correction for the year ending with January 31, 1896.

By comparison with last year we find a few less number of committals and a few less as the daily average. At this date the numbers vary but little from one year ago; the indications are that we shall in the near future be more overcrowded than now: with cells full, eighty-four sleeping in a dormitory, formerly a shop, and a number sleeping on the floor in corridor. I am again inclined to urge that immediate action be taken towards providing better accommodations for the increase in numbers which seem bound to come. Classification and reform under such conditions is a problem, yet I believe that many go out from here reformed, leading an honorable life and earning an honest living.

The most important change during the year is in our hospital arrangements, — the transfer of the insane from the old hospital to the new at Austin and Pierce Farms gave us the opportunity to improve. Carpenters and painters were put to work repairing and cleaning, so that now our sick are well provided for. The lower cells in hospital block are arranged for solitaires and are lighted; the old and small dark solitaires in east wing are now ordinary cells and are used as such.

All these changes have increased our running expenses, especially items of repairs and alterations, salaries, and fuel and lights. Many repairs have also been made upon the old plant to keep it in order and presentable. Repairs are still necessary for safety and comfort of those who may be required to manage or live within its walls.

There are no other special changes to notice. The industries and general management continue as heretofore; the garden and orchard furnished the usual amount of truck and fruit; fourteen thousand five hundred and eighty-two pounds of pork was slaughtered.

The statistics for the institution are herewith given :

	Males.	Females.	Total.
Remaining January 31, 1895	587	76	663
Committed by courts	969	163	1,132
Transferred from other institutions	6	1	7
Returned from escape	1	0	1
	<hr/>	<hr/>	<hr/>
	1,563	240	1,803
Discharged	991	172	1,163
	<hr/>	<hr/>	<hr/>
Remaining January 31, 1896	572	68	640
	<hr/>	<hr/>	<hr/>
Largest number during the year . . . . .	.	.	687
Smallest number during the year . . . . .	.	.	549
			<hr/>
Average number during the year :			
Males . . . . .	.	.	552.96
Females . . . . .	.	.	69.05
			<hr/>
Total . . . . .	.	.	622.01
			<hr/>

The record of weight of prisoners discharged during the year is as follows :

796 gained 6,916 lbs. ; 260 lost 1,608 lbs. ; 106 neither gained or lost.

Average gain per prisoner, 4 lbs. 9 oz.

Causes for discharge :

	Males.	Females.	Total.
Expired sentence	779	128	907
Fines paid (amounting to \$1,844.70), By order Municipal Court for non- payment of fine, after serving three months	52	13	65
	<hr/>	<hr/>	<hr/>
	26	11	37
Pardoned by Governor	6	0	6
Pardoned by commissioner	81	16	97
By order of Commissioners of Prisons	7	0	7
Transferred to other institutions	13	2	15
Transferred to lunatic hospitals	13	2	15
Died	5	0	5
Bailed	4	0	4
Escaped	5	0	5
	<hr/>	<hr/>	<hr/>
	991	172	1,163
	<hr/>	<hr/>	<hr/>

Offences for which committed:

	Males.	Females.
Drunkenness	256	75
Larceny	228	25
Assault and battery	103	0
Breaking and entering	46	0
Larceny from the person	31	2
Larceny in a building	24	0
Idle and disorderly	19	5
Receiving stolen goods	16	2
Unlawfully selling intoxicating liquors	12	15
Lewd and lascivious cohabitation	13	5
Being a vagrant	10	2
Indecent exposure	10	0
Assault	9	0
Non-support of wife and minor child	9	0
Assault with loaded pistol	10	0
Assault and battery on an officer	8	0
Forgery	8	0
Robbery	8	0
Embezzlement	7	1
Attempt to break and enter	7	0
Assault with intent to rob	7	0
Adultery	7	3
Unlawfully taking a horse or horses	7	0
Larceny from an express wagon	6	0
Assault and battery with a knife	6	0
Peddling without a license	6	0
Keeping and maintaining a nuisance	5	1
Cheating by false pretences	5	0
Assault with a dangerous weapon	4	0
Fraudulently conveying personal property held under conditional contract of sale	4	0
Attempt to commit larceny	4	0
Being a vagabond	5	0
Unlawfully exposing and keeping for sale intoxicating liquors	7	3
Fornication	3	5
Indecent assault and battery	3	0
Keeping a noisy and disorderly house	3	1
Assault on a police officer	2	0
Unnatural and lascivious act	2	0
Manslaughter	2	0
Disturbing religious worship	2	0
Unlawfully selling chance in policy	2	0
Larceny from realty	2	0
Maliciously breaking glass	3	0

	Males.	Females.
Confining for purpose of stealing	2	0
Obtaining property or money on false pre- tences	4	0
Polygamy	1	3
Attempt to commit larceny from the person,	1	1
Assault and battery with a razor	1	1
Assault and battery with a pair of shears	1	0
Assault and battery with a stick of wood	1	0
Assault and battery with a metallic staple	1	0
Common drunkard	1	0
Unlawfully escaping from a constable	1	0
Perjury	1	0
Assault with intent to rob, being armed	1	0
Assault with intent to murder	1	0
Fraud	1	0
Breaking and entering without intent to commit larceny	1	0
Escaping from House of Correction	1	0
Conspiracy to cheat and defraud	1	0
Mayhem	1	0
Keeping house of ill-fame	1	0
Using obscene language	1	0
Assault with a razor	1	0
Attempt to pass worthless promissory note	1	0
Lewd and lascivious person	1	0
Uttering forged orders	1	0
Threatening to commit assault and battery	1	0
Torturing a cow	1	0
Larceny from common carrier	1	0
“ “ vessel	1	0
“ “ conveyance	1	0
Having policy slips	1	0
Profanity	1	0
Passing worthless note	1	0
Selling obscene pictures	1	0
Common night-walker	0	12
Disturbing the peace	0	1
Malicious injury to personal property	1	0
	<hr/> 969	<hr/> 163

SENTENCES.

	Males.	Females.
Fines	203	31
Sureties	3	0
15 days	1	0
30 “	21	5

							Males.	Females.
50 days	.	.	.	.	.	.	1	0
60 "	.	.	.	.	.	.	14	3
90 "	.	.	.	.	.	.	1	0
1 month	.	.	.	.	.	.	13	3
2 months	.	.	.	.	.	.	38	6
3 "	.	.	.	.	.	.	91	21
4 "	.	.	.	.	.	.	78	20
5 "	.	.	.	.	.	.	11	2
6 "	.	.	.	.	.	.	182	35
7 "	.	.	.	.	.	.	5	1
8 "	.	.	.	.	.	.	19	1
9 "	.	.	.	.	.	.	32	5
10 "	.	.	.	.	.	.	20	1
12 "	.	.	.	.	.	.	95	23
15 "	.	.	.	.	.	.	8	0
16 "	.	.	.	.	.	.	1	0
18 "	.	.	.	.	.	.	33	1
21 "	.	.	.	.	.	.	0	1
24 "	.	.	.	.	.	.	55	3
25 "	.	.	.	.	.	.	1	0
27 "	.	.	.	.	.	.	1	0
30 "	.	.	.	.	.	.	11	0
32 "	.	.	.	.	.	.	1	0
36 "	.	.	.	.	.	.	26	1
48 "	.	.	.	.	.	.	4	0
							<u>969</u>	<u>163</u>

AGES OF PRISONERS COMMITTED.

							Males.	Females.
Under 20 years	.	.	.	.	.	.	56	1
20 to 29	"	(inclusive)	.	.	.	.	404	68
30 " 39	"	"	.	.	.	.	279	52
40 " 49	"	"	.	.	.	.	155	31
50 " 59	"	"	.	.	.	.	58	7
60 " 69	"	"	.	.	.	.	16	3
70 " 79	"	"	.	.	.	.	1	0
Not known	.	.	.	.	.	.	0	1
							<u>969</u>	<u>163</u>

NUMBER OF TIMES COMMITTED TO THIS INSTITUTION.

							Males.	Females.
First	.	.	.	.	.	.	631	120
Second	.	.	.	.	.	.	142	29
Third	.	.	.	.	.	.	70	6

	Males.	Females.
Fourth	30	2
Fifth	25	2
Sixth	16	1
Seventh	16	1
Eighth	11	0
Ninth	3	1
Tenth	1	1
Eleventh	3	0
Twelfth	2	0
Thirteenth	4	0
Fourteenth	1	0
Fifteenth	2	0
Sixteenth	2	0
Twenty-first	1	0
Twenty-second	2	0
Twenty-third	1	0
Twenty-fourth	1	0
Thirtieth	1	0
Thirty-first	1	0
Thirty-fifth	1	0
Thirty-sixth	1	0
Thirty-seventh	1	0
	<hr/>	<hr/>
	969	163
	<hr/>	<hr/>

Nativity:

Massachusetts	492
New York	44
Maine	39
Virginia	20
New Hampshire	18
Connecticut	10
Pennsylvania	9
Rhode Island	8
Maryland	8
Illinois	7
Vermont	6
New Jersey	6
North Carolina	6
Ohio	4
South Carolina	3
Georgia	3
Florida	2
Alabama	2
Louisiana	2
California	2

District of Columbia	1	
Texas	1	
Missouri	1	
Kentucky	1	
Colorado	1	
Minnesota	1	
Montana	1	
Not known	1	
At sea	1	
Ireland		194
Provinces		76
Italy		40
England		39
Canada		20
Scotland		11
Germany		9
Sweden		8
Russia		8
Poland		5
West Indies		4
Newfoundland		3
Western Islands		3
Norway		2
Australia		2
Arabia		2
France		1
Austria		1
Greece		1
Syria		1
South America		1
Mexico		1
Born in United States	<u>700</u>	
Born in Foreign Countries		<u>432</u>
<i>Number committed from each court:</i>		
Municipal Criminal Court		434
Superior " "		356
Chelsea Police Court		232
South Boston District Court		52
Roxbury " "		25
Brighton " "		7
Dorchester " "		11
East Boston " "		5
Charlestown " "		5
West Roxbury " "		5
		<u>1,132</u>

Number committed and discharged during the year:

COMMITTED.			1895.	DISCHARGED.		
Males.	Females.	Total.		Males.	Females.	Total.
54	8	62	February	77	20	97
85	20	105	March	71	19	90
104	21	125	April	83	10	93
82	13	95	May	87	13	100
49	19	68	June	75	25	100
80	20	100	July	103	17	120
77	8	85	August	95	15	110
63	10	73	September	92	11	103
102	13	115	October	91	9	100
66	6	72	November	63	10	73
103	17	120	December	71	11	82
			1896.			
111	9	120	January	83	12	95
<u>976</u>	<u>164</u>	<u>1,140</u>		<u>991</u>	<u>172</u>	<u>1,163</u>

Whole number committed during the year:

Males	.	.	.	.	.	.	969
Females	.	.	.	.	.	.	163
Adults	.	.	.	.	.	.	1,054
Minors	.	.	.	.	.	.	78
White	.	.	.	.	.	.	1,045
Colored	.	.	.	.	.	.	87

Miscellaneous:

Married	.	.	.	.	.	.	361
Persons who cannot read or write	.	.	.	.	.	.	116
Persons who can read but not write	.	.	.	.	.	.	28
Persons born in Massachusetts who cannot read or write	.	.	.	.	.	.	11

The reports of Dr. W. B. Bancroft, visiting physician, and Rev. S. Stanley Searing, chaplain, are enclosed.

Again extending thanks to commissioners and commissioner and to our assistants in the management, I remain,

Very respectfully,

JOHN C. WHITON,
Master.

PHYSICIAN'S REPORT.

BOSTON, January 31, 1896.

To Col. JOHN C. WHITON, *Master of the House of Correction*:

SIR: I have the honor to submit the following report of the Medical Department of this institution for the year ending January 31, 1896:

Patients remaining in Hospital, February 1, 1895	15
Number admitted since	205
Total number treated in hospital, February 1, 1895, to January 31, 1896, inclusive	220
Number discharged	199
“ died	5
Remaining in Hospital, January 31, 1896	16

The following list gives the diseases and the number of times patients have been treated in the hospital:

MEDICAL.

Alcoholism	36	Hysteria	2
Asthma	1	Inflammation of bile duct,	1
Bronchitis	3	Influenza	26
Cholera morbus	1	Lunatic	15
Diarrhœa	4	Malaria	8
Gastritis	2	Malingerer	14
Heart disease, valvular	1	Masturbation	1
Hemorrhage, pulmonary,	3	Pneumonia	2
Hepatitis	2	Rheumatism	14
Neuralgia	1	Tuberculosis, glandular,	2
Observation	1	Tuberculosis, pulmonary,	14
Opium habit	3		—
Hypochondria	2		159

SURGICAL.

Abscess	4	Fracture, fore-arm . . .	1
Appendicitis	3	Hemorrhoids	1
Boil	2	Iritis	1
Bruise	2	Lumbago	1
Bubo	1	Œdema of prepuce . . .	1
Cancer	1	Orchitis	3
Chancroid	1	Otitis	1
Conjunctivitis	2	Sprain	3
Carbuncle	2	Syphilis	4
Crushed finger	1	Tonsillitis	4
Eczema	1	Ulcer	2
Erysipelas	1	Urticaria	1
Fissure, anal	1		—
Fistula, anal	1		46

Five men have died during the year, two from pneumonia and three from pulmonary tuberculosis.

Thirteen men and two women have been adjudged to be insane, and have been transferred to hospitals for the insane.

During the year the sick have exchanged their poorly lighted and ventilated quarters in the old hospital for well lighted and ventilated rooms in one of the wings of the building formerly occupied by the patients of the Boston Lunatic Hospital.

This change has been a most welcome one to both patients and physician. The use of the old hospital as a place for punishment gives men under discipline cells which are large, well-ventilated, and open to the light of day.

Respectfully,

W. B. BANCROFT,

Physician.

CHAPLAIN'S REPORT.

SOUTH BOSTON, January 21, 1896.

COL. JOHN C. WHITON, *Master of the House of Correction*:

SIR: As chaplain and librarian of this institution I have the honor to submit the following report of the year ending January 31, 1896:

STATISTICS.

The following is an abbreviated statement of donations made to the library during the past twelve months:

Inmates' donation	.	.	.	.	Vols.	888
By the Hospital Newspaper Society	.				"	199
By various societies and persons	.	.			"	319
By the chaplain	.	.	.	.	"	31
Periodicals donated	.	.	.	.	"	1,191
						2,628

Books rebound	.	.	.	.	Vols.	403
" destroyed	.	.	.	.	"	832

In my first report I felt constrained to say: "It was the earnest desire of my predecessor (Rev. Dr. Clark) that there might be a better library system, and it is my own earnest wish. Just so long as the present library system prevails, there will be no way to check the destruction of numbers of books that might reach a majority of the inmates, were it not that they were so marked and defaced by the few who have the first reading as to make their final destruction a moral necessity." I feel particularly happy that I am able to note here that by the endorsement of a system submitted to the commissioner, Dr. Heath, and with your own hearty approval and coöperation, we have been enabled to inaugurate a temporary system which it is hoped will develop into a permanent system similar to that in use in other institutions like this. This, we hope, will obviate the necessity of destroying books and periodicals, because it will make each inmate personally responsible for the book

given into his care. Even under our old method, which was exceedingly poor, there has been a decided improvement, and against twelve hundred and fifty-three books reported destroyed one year ago, we have only eight hundred and thirty-two to report for the past year. However, we look for much greater improvement under the new system, and still greater when the preservation of a permanent library is an assured fact. I hesitate to ask for an annual appropriation for the purpose of purchasing new books because of the destruction of so many in the past. I trust, however, if in another year we can show our new system has been an economical one, it will be possible for us to reasonably ask and expect a small yearly appropriation for the improvement of the inmates' mental and moral condition. I hope, also, that we may be able to establish a small, separate library of three or four hundred volumes in the men's hospital, and considerably augment the very meagre library in the women's department. Men and women in this institution are forced to read because of enforced solitude, and those who have never cared for reading when at liberty become fond of it here if given good interesting literature; and it is as much in this way as in the preaching of the gospel that we look for moral and intellectual reform, because as the taste for reading is cultivated the character of the reading itself is improved by books that provide for real permanent information on gospel lines. I rejoice that in all I have undertaken to do I have had your earnest coöperation and advice.

CHAPEL SERVICES.

The services have been held every Sunday afternoon at the usual hour. During an absence of two Sundays the chaplain provided substitutes. We have been visited by quite a number of ministers and laymen and women who have undertaken by prayer and precept to assist us in our religious and moral work. I think during the past year there has been a much larger demand for Bibles and Prayer Books in both Roman Catholic and Protestant Episcopal, as well as a greater interest in religious weekly papers and monthly magazines.

I hope it may be possible in the coming year to establish a weekly service in the men's hospital, either on Sunday or on a week-day afternoon, that religious comfort may be extended to those who are sick as well as to those who are able to attend the chapel services. I also hope to be able to visit men in the prison building from time to time so that those who do not avail themselves of the opportunity of see-

ing the chaplain in his office may see him as he goes from room to room.

I wish here to thank the Commissioner for furthering my work, and to express my personal gratitude to the Master, Deputy, Officers, and Matrons for assisting me so kindly in the prosecution of my duties generally.

Respectfully submitted,

S. STANLEY SEARING,

Chaplain.

BOSTON INSANE HOSPITAL, PIERCE FARM.

To the Institutions Commissioner:

I herewith present the following report of the hospital for the year ending December 31, 1895, it being the fifty-seventh annual report:

At the beginning of the year there were in the hospital 457 patients, — 194 men and 263 women, — the greatest number ever cared for in the hospital. There were admitted 166 — 84 men and 82 women, which makes the whole number under treatment 623. The daily average was 493, the highest number 527, and the lowest 468.

There were 110 patients discharged — 21 as recovered, 20 as much improved, 10 as improved, 10 as not improved, 42 died, and 7 emergency and State cases transferred, leaving in the hospital at the end of the year 513.

The percentage of recoveries,¹ based upon admission, was 18.75, and calculated upon the discharges, including the deaths, was 20.39.

Of those discharged, 7 were transferred to State hospitals; 1 to Worcester; 2 to Taunton; and 4 to Westborough. There were 15 escaped; 12 were returned to the hospital; 1 was discharged at the request of friends; and 2, who were not considered dangerous, have not been heard from.

Of those admitted, 9 were cases of acute mania and 24 of acute melancholia; 133 were suffering from other forms of insanity. There were 47 transferred from State hospitals.

Forty-two patients died during the year, — 20 men and 22 women. The rate of mortality was somewhat less than it was last year, — 6.7 on the whole number under treatment and 8.5 on the average. Some of the causes of death were as follows: 2 died of acute mania, 7 of general paresis, 6 from other forms of organic disease of the brain, 8 from phthisis.

There has been little sickness.

In April the patients at the hospital in South Boston were transferred to the new hospital at "Pierce Farm," Mattapan; this was effected in two days, — on the 15th and 16th.

¹ Excluding cases transferred.

We are indebted to Mr. Robertson and Miss Thompson and Harvard students for entertaining ; to Mrs. S. E. Osborn for furnishing talent, and to Mr. C. F. Adams for sending newspapers.

Respectfully submitted,

CHARLES J. BOLTON,

Acting Superintendent.

BOSTON INSANE HOSPITAL, AUSTIN FARM.

ROSLINDALE, MASS., January 31, 1896.

To the Institutions Commissioner:

SIR: The following report of this institution is respectfully submitted:

From September 1, 1889, to August 5, 1895, the institution at Austin Farm was a portion of the Boston Lunatic Hospital. On the latter date you saw fit to make this institution independent, and did me the honor to make me superintendent. My report consequently deals chiefly with the last six months.

On August 6 there were 159 males and 210 females, a total of 369. Since then but seven patients have been admitted, six transferred from the hospital at Pierce Farm, and one admitted as a voluntary patient. Thirteen patients have been discharged in this time, leaving, on January 31, 153 males, 210 females, total, 363. Since January 31, 1895, 20 patients have died at Austin Farm. This is 5.7 per cent. of the daily average, or 5 per cent. of the whole number treated. This very low death-rate is a source of congratulation. The average age of those dying was 53.75 years.

The general health of the patients has been excellent. Excepting tuberculosis, there has been no case of contagious disease among the patients during the year.

It would have been very difficult to make the tables of statistics required by the State Board of Lunacy and Charity for the Austin Farm separate from those of the Pierce Farm for this year. These tables are therefore made for the two institutions as formerly for the calendar year. Any other arrangement would have seriously vitiated the value of the statistics.

Our population of 374 is cared for in four buildings, two for males and two for females.

The building known as "B" is in reality a single ward and contains beds for 112 men, mostly in four dormitories. The men from this ward go to the congregate dining-room for their meals.

During the past year the dining-room and pantry in this building have been transformed to a dormitory and lavatory. The kitchen was partitioned in such a way as to provide sleeping-rooms for eight male employees. These changes made accommodations for ten more patients.

The ventilation in this building had been extremely bad, and in July this was remedied to a great extent. The windows formerly had been stopped at six inches. The stops for the lower sash were removed and half-guards put on to prevent accidents or escapes. The transoms, which had been fixed, were now opened, thus giving a very much larger amount of fresh air and making the building much cooler in summer. If the closets in this building were ventilated by a shaft instead of by the windows, as at present, the air would be even better.

The other building for men, "C," stands by itself and has two wards of 25 beds each and has 36 single rooms for patients' use. This building is very well suited for its purpose and needs merely a few alterations in plumbing.

But with only three wards for 162 patients the classification is of necessity imperfect, but the condition in this respect is far less serious than in the women's wards.

A ward built from the same plans as "C," known as "E," is used for women, and, so far as its capacity allows, answers its purpose fairly well. During the past year an airing court has been provided for the patients in this building and was put to very good use the past summer. A shelter should be erected in the court this spring.

Both "E" and "C" wards should be fitted with double windows in the winter. It would save in coal sufficiently the first year to pay the cost of the windows.

The old building (Ward A) while it has seven dormitories is to all intents a single ward, as it allows of almost no classification in the daytime for 162 women. These women, so far as able, go to the congregate dining-room for meals.

During the past year numerous minor changes have been made here. Formerly the bedridden cases were in the attic of this wooden building, where in case of fire there must have been loss of life. These cases were removed to the first floor at the earliest opportunity after the dining-room ceased to be used. A provisional infirmary ward was thus obtained in the southern rooms heretofore used as day-rooms. New plumbing was put in the dining-room and this converted to a day-room. New windows and shifting of doors allowed of more room and air.

But alterations of this sort are mere temporary make-shifts and when done we have remaining a very faulty condition,

— a dilapidated structure, utterly unsuited for the care of the insane, a veritable fire-trap. Summed up we have only three wards for 212 insane women, an unusual proportion of whom are cases who need single rooms. For these women there are only 44 single rooms, of which only 37 can be heated, where 100 are needed.

This defect of single rooms leads to more serious consequences than appear at first sight. It leads to an excessive use of restraint; it causes such irritation that it makes patients who would otherwise be well-behaved, very troublesome, noisy, destructive, and violent. It compels the physicians and nurses to tolerate things that should not be, and this cannot fail to lower the general standard of care. This old building, with the so-called administration building attached, should be removed or destroyed at the earliest possible moment, and the site occupied by a suitable series of wards for about 200 women.

Temporary relief to a very considerable degree would be obtained by the removal to some other institution of 35 turbulent women who are so improperly housed here. This hospital occupies an almost unique position in that it has normally no method of relief from overcrowding by transfer.

An especial effort has been made the past year to employ more patients, or at least to furnish them with occupation.

A male attendant has been employed to train dull, indifferent men to regular habits of industry. This has met with a very fair degree of success.

A number of women, a few of whom were formerly very destructive, have been induced to do some fancy work. Here we meet with several agreeable surprises. One patient has shown an unexpected interest in drawing.

Much more could be accomplished in this line I am sure if we had more officers, but we cannot have these until we have larger quarters, as we are unable to properly accommodate the employees now here.

There is great need of a large sewing-room and of an assistant seamstress to direct the work for less intelligent women. This reform cannot be instituted until we have more room.

The selection and retention of suitable attendants is one of the most serious duties of a hospital superintendent. To elevate this important branch of the service more care has been used in selecting candidates. Each applicant now enters the service on a probation of two months. At the end of that time, if satisfactory, the attendants, both male and female, put on the uniform recently adopted. They

enter the service with the understanding to remain in it a year, without actually binding themselves to do so however. It is expected that lectures will be given them before long.

The effect of these changes is easily noticed. There is better discipline, more willing service, and an *esprit du corps*.

I would urge for your consideration the adoption of graded wages proportional to the length of service. I consider this very important and feel certain it would lead to a longer service for good attendants.

I would also strongly recommend a separate building for the use of attendants. The hours of duty are long, the work is exhaustive of nervous energy, and at present an attendant's rest is often so disturbed that one is obliged to begin work when fatigued and irritable, which is wrong. Our attendants have a separate dining-room in a central building, an advantage not common to hospitals of this sort. Separate dormitory facilities would be a great boon. This change would increase our single-room capacity for patients.

The separation of the two institutions at Austin and Pierce Farms has been made so far as is practicable. If these institutions are to be maintained separately it is desirable that they be still further divorced. At present there is but one laundry and bakery for the two places, and these are at Austin Farm. No milk is now raised at Austin Farm; one-half is furnished from the Pierce Farm and the rest is purchased.

There is not sufficient tillable land here to raise the usual amount of vegetables, nor enough to keep our available patient labor occupied; whereas at the Pierce Farm there is more tillable land than is needed for crops or that can be used by the labor available. I would recommend that a tract of eight acres be set aside at the Pierce Farm for our use the coming season.

Recently a system of orders and requisitions has been introduced similar to that in all large institutions. A store-room has been equipped in the old ironing-room. A special store-room for soap was readily adapted from the old drying-room. It is well supplied with heat, and we now have in it a large supply of soap which will be well dried before used.

A male cook has been employed and has charge of the cooking and the kitchen stores. This change resulted in a decided saving, and the food is much better prepared than under the old arrangement.

More office room has been secured and the dispensary enlarged by taking the old dining-room used by attendants. The buildings are connected with the office by an excellent telephone service, which has proved a great convenience.

Indeed, with our detached buildings it was a necessity in the winter season.

A room for mattress work has been fitted up in the basement.

The water supply in the old building was deficient and a new pipe was laid this fall which entirely remedied the trouble. For several months two carpenters have been employed in alterations and equipping the new wards with clothes-boxes and similar conveniences.

I would recommend the removal of the barn, piggery, and adjacent buildings, using a part of the site now covered by them for new wards. I would have a new brick stable built at the southern end of the grounds on Back street.

We have been obliged to dispose of the hogs this fall; the piggery was so near the wards and situated south-west of the old building so that the prevailing wind in summer made the wards in "A" very unpleasant. There is no suitable site for a piggery here, and I would recommend that one be put up at the Pierce Farm. It would be a source of profit to the institutions.

The substitution of electricity for gasoline for lighting cannot be done too quickly. The use of gasoline is very dangerous as well as unsatisfactory. It is so uncleanly that it mars the appearance of the wards. Within a few weeks there have been two narrow escapes from fire from its use. Five of our buildings are already wired and supplied with electric fixtures. It would be necessary to buy the lamps only if the light were furnished by one of the established lighting companies. Should it be deemed wiser to have our own plant we should need to expend \$10,000 for engines and dynamos. I would much prefer buying the light to maintaining a plant on the premises.

I am pleased to be able to say that we have furnished sixty pictures for furnishing the wards. They were much needed. The wards have been further furnished by twelve large oak settles, well made after a special pattern. A fine Chickering piano was purchased and put in the chapel. This has been highly appreciated and is used for entertainments and at religious services. For more than a year we have had no religious services. Since November we have had services each Sunday, the Rev. Wm. H. Branigan acting as chaplain.

One of the most important improvements that I am able to report is in the matter of entertainments. Patients assemble in the chapel twice a month for amusement. During the past year there have been ten entertainments, eight of which have been given since September. Several have been furnished by friends whom I wish to thank here, namely:

The I. H. N. Club of the All Souls' Unitarian Church, for a very pleasing dramatic entertainment.

The East Boston Cadet Band, for an outdoor concert rendered by thirty young musicians. This was a novel treat and highly appreciated.

Mr. C. H. Williams and friends, including Mr. Edward Kelley, for a variety entertainment.

Eight students from Harvard College who amused us with songs and recitations.

A number of our attendants gave a two-act drama, "Down by the Sea," which was doubly appreciated.

I wish to extend thanks to the Hospital Newspaper Society for a very generous supply of reading matter.

Although the year has been a busy one for the medical staff, still some time has been given to scientific work. Our interne, Mr. Frank W. Harriman, made a careful study of a series of cases of tonsillitis in coöperation with workers in the bacteriological laboratory of the Harvard Medical School. The writer made a study of the statistics of insanity, which was published. Our facilities for advanced scientific work are almost *nil*. I wish to take this opportunity to ask for a good microscope and some works on psychiatry as a nucleus for a medical library. I consider it a necessary part of the equipment of a modern hospital, and I would like to see a small annual expenditure for a medical library.

I would also suggest that we establish a regular annual increase of salary of the assistant physician to a definite limit as is done in most hospitals. This would be of decided benefit to the institution.

An important change in the affairs of the institution is the appointment recently of an advisory board. This body consists of five representative medical men, residents of Boston. Their duties are simply advisory. They hold regular meetings at which the affairs of the institution are considered.

A consulting board of physicians, while common in connection with hospitals for the insane, is an innovation for this hospital. The fact that this is a local hospital and the members of the board live in this city, offers an unusual opportunity for efficient work.

It is expected that this advisory board will be of great advantage to the hospital in two ways: not only will it bring to the institution the benefits of the skill and experience of its members, it will also present the needs of the institution with peculiar weight to the medical profession and citizens generally. The board is constituted as follows:

Dr. Clarence J. Blake, Dr. Herbert L. Burrell, Dr. Vincent Y. Bowditch, Dr. Morton Prince, and Dr. Henry R. Stedman.

On February 15 Dr. Arthur C. Jelly resigned the position of assistant physician, after a service of eighteen months, to enter private practice. His accurate and painstaking work will be long remembered. Dr. L. A. Roberts, who had been assistant physician at the South Boston Hospital two years, was appointed in his place.

Mr. Frank Whitman Harriman concluded his services as interne July 1. His unselfish devotion to the work here was most heartily appreciated, and his death this month at the City Hospital has caused profound sorrow throughout the institution.

Mr. James Arthur Mahan served as interne three months, and he resigned to continue his studies. Mr. Thomas E. Curley, after six years' faithful service as supervisor, resigned in June on account of his health. Mr. J. B. Davidson was appointed in his place.

Miss Agnes A. Doak, who had been supervisor for more than two years, left to take a similar position at the Pierce Farm. Miss A. J. Hennessey was appointed supervisor. Miss Hennessey has been taking a special course of lectures at the McLean Hospital, and will return to her work here in a few days.

Mr. Louis White, farmer, took a similar position at the Pierce Farm, and Mr. Gardner Files was appointed in his place here.

Mr. William E. Elton was appointed steward and apothecary. He has been able to relieve the medical officers of much of the business details which had hampered us so much formerly.

I wish to thank Father Cummins, of this parish, for the many and prompt attentions he has shown the sick and dying during the year.

It gives me pleasure to acknowledge the loyal and willing service of the officers and employees of the hospital. Dr. Roberts is deserving especial credit for his conscientious, efficient work and his ingenuity.

To you, as commissioner, I am indebted for the confidence placed in me and for the courteous assistance so often rendered.

Very respectfully,

EDWARD B. LANE,
Superintendent.

1. GENERAL STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1895.

	Males.	Females.	Total.
Patients in Hospital, December 31, 1894	194	263	457
Admitted within the year	84	82	166
Emergency	1	5	6
Voluntary		1	1
Committed	55	57	112
Transferred	28	19	47
Whole number of cases	278	345	623
Discharged within the year	49	61	110
Emergency and State cases transferred	3	4	7
Recovered	8	13	21
Much improved	10	10	20
Improved	4	6	10
Not improved	4	6	10
Death	20	22	42
Patients remaining in Hospital, December 31, 1895....	229	284	513
Patients remaining at Pierce Farm	76	73	149
Patients remaining at Austin Farm	153	211	364
Supported as city patients			
Supported as private patients			
Number of different persons	277	339	616
Number of different persons admitted	84	81	165
Number of different persons recovered	8	13	21
Daily average	216.15	277.13	493.28
¹ Percentage of recoveries	15.09	22.03	18.75

¹ Excluding cases transferred.

2. MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges.			Death.			Daily Average of Patients in the House.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
January	8	6	14	1	2	3	2	2	4	197.40	264.80	462.20
February	1	3	4	1	1	2	1	6	6	198.25	262.75	461.00
March	6	8	14	3	2	5	1	2	3	197.75	264.75	462.50
April	4	4	8	.....	2	2	.....	1	1	201.00	266.50	467.50
May	18	15	33	6	3	9	2	.....	2	205.60	270.20	475.80
June	8	5	13	2	2	4	1	.....	1	214.50	281.75	496.25
July	9	7	16	1	7	8	3	2	5	221.75	277.75	499.50
August	15	11	26	.....	4	4	1	.....	1	232.00	284.20	516.20
September	4	7	11	5	2	7	1	1	2	235.00	290.25	525.25
October	2	4	6	5	5	10	3	.....	3	231.60	289.60	521.20
November	3	6	9	1	4	5	2	6	8	230.00	288.00	518.00
December	6	6	12	4	5	9	8	3	6	228.50	285.00	513.50
Total of cases.....	84	82	166	29	39	68	20	22	42	.....	.....	.....
Total of persons.....	84	81	165	29	38	67	.....	.....	.....	.....	.....	.....
Daily average .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	216.15	277.13	493.28

3. RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First	75	72	147	.....	.....	.....
Second	6	7	13	4	3	7
Third	2	1	3	1	.....	1
Fourth .....	.....	1	1	.....	8	3
Fifth	1	1	2	4	4	8
Total of cases	84	82	166	9	10	19
Total of persons	84	81	165	6	5	11

4. RELATIONS TO HOSPITALS OF PERSONS ADMITTED.

HOSPITAL RELATIONS.	Males.	Females.	Total.
Never before in any hospital for insane	39	41	80
Former inmates of this hospital only	6	9	15
Former inmates of other hospitals only	36	30	66
Former inmates of this and other hospitals	3	1	4
Total of persons	84	81	165

5. PARENTAGE OF PERSONS ADMITTED.

PLACES.	MALES.		FEMALES.		TOTAL.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine	2	2	.....	3	2	5
New Hampshire.....	2	2	4	1	6	3
Vermont.....	1	.....	.....	.....	1	.....
Massachusetts.....	9	11	13	13	22	24
Rhode Island.....	.....	.....	1	.....	1	.....
New York	1	2	.....	.....	1	2
Canada	5	5	3	2	8	7
England	2	1	1	1	3	2
Ireland	51	52	41	44	92	96
Scotland	1	.....	3	2	4	2
France .....	.....	.....	1	1	1	1
Germany	2	1	5	5	7	6
Italy .....	.....	.....	1	1	1	1
Roumania.....	1	1	.....	.....	1	1
Unknown	7	7	8	8	15	15
Total.....	84	84	81	81	165	165

6. RESIDENCE OF PERSONS ADMITTED.

PLACES.	Males.	Females.	Total.
Suffolk County	84	78	162
Plymouth County		1	1
New Hampshire		1	1
Unknown		1	1
Total	84	81	165

7. CIVIL CONDITION OF PERSONS ADMITTED.

No. OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First	41	23	64	29	31	60	5	16	21	...	1	1	75	71	146
Second	4	3	7	2	3	5	...	1	1	...	...	...	6	7	13
Third .....	...	1	1	2	...	2	...	...	...	...	...	...	2	1	3
Fourth .....	...	1	1	...	...	...	...	...	...	...	...	...	...	1	1
Fifth .....	...	...	...	1	1	2	...	...	...	...	...	...	1	1	2
Total	45	28	73	34	35	69	5	17	22	...	1	1	84	81	165

8. OCCUPATION OF PERSONS ADMITTED.

MALES.		MALES.	
Blacksmiths	2	Motorman	1
Book agent	1	Musicians	3
Bookbinder	1	Painters	4
Bookkeepers	2	Piano-makers	4
Box-maker	1	Police officer	1
Brakeman	1	Printers	2
Brass finisher	1	Real estate agent	1
Carpenters	3	Rope maker	1
Clerks	3	Seamen	2
Cook	1	Sexton	1
Cooper	1	Ship-calker	1
Druggist	1	Shipper	1
Fireman	1	Student	1
Fruit dealer	1	Tailor	1
Gardeners	2	Tanner	1
Gas-fitter	1	Teamsters	4
Hack drivers	2	Watchmakers	2
Hostlers	2	Watchmen	2
Jeweller	1	None	6
Laborers	14		
Machinists	3	Total	84

FEMALES.		FEMALES.	
Book-folder	1	Laundress	1
Bookkeeper	1	Milliner	1
Cook	1	Store-keeper	1
Domestics	10	Seamstress	2
Dressmaker	1	None	30
House-keepers	4		
Housewives	28	Total	81

9. PROBABLE CAUSES OF DISEASES IN PERSONS ADMITTED.

CAUSES.	PATIENTS ADMITTED.			PREVIOUS ATTACKS.			HEREDITARY PRE-DISPOSITION.		
	Males.	Females	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1. PHYSICAL.									
Apoplexy	3		3						
Confinement in prison	1		1						
Epilepsy	3		3						
Hereditary	3	3	6				3	3	6
Injury to head	4	1	5					1	1
Injury to spine	1		1						
Ill health	5	9	14						
Intemperance	9	2	11	2		2			
Malarial fever	1		1						
Masturbation	4		4						
Menopause		2	2						
Nervous exhaustion		2	2						
Overwork	3	3	6						
Pregnancy		1	1						
Puerperal		7	7		1	1			
Senility	5	8	13						
Sunstroke	2	1	3						
Surgical operation	1	1	2						
Syphilis	1	2	3				1		1
Typhoid fever	1		1						
2. MENTAL.									
Business trouble	3	1	4						
Disappointment		1	1						
Domestic trouble	2	3	5		1	1	1		1
Fright		1	1						
Overstudy	1		1						
Religious excitement	1	1	2						
Worry		1	1						
Unknown	30	31	61	4	3	7			
Total	84	81	165	6	5	11	5	4	9

10. RECORD OF CASES ADMITTED WITHIN THE YEAR.

PATIENTS.	Males.	Females	Total.
Admitted	84	82	166
Discharged, recovered	4	3	7
" much improved.....	4	5	9
" improved	2	4	6
" not improved.....	3	2	5
Emergency and State cases transferred	3	4	7
Died	9	8	17
Remaining December 31, 1895	59	56	115
Number likely to recover.....	5	6	11
" " " improve	5	2	7

11. AGES OF INSANE AT FIRST ATTACK, ADMISSION AND DEATH.

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.			PERSONS DIED.		
	At First Attack.		When Admitted.	At First Attack.		At time of Death.
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital.....	4	.....	4	.....	.....	.....
15 years and less.....	8	4	12	4	3	7
From 15 to 20 years.....	8	7	15	4	3	7
" 20 to 25 ".....	11	6	17	10	6	16
" 25 to 30 ".....	11	14	25	45	8	23
" 30 to 35 ".....	12	12	24	11	12	23
" 35 to 40 ".....	13	14	27	15	14	29
" 40 to 50 ".....	7	7	14	12	13	27
" 50 to 60 ".....	5	11	16	6	10	16
" 60 to 70 ".....	4	6	10	5	8	13
" 70 to 80 ".....	1	.....	1	2	2	4
Over 80 years.....	.....	.....	.....	.....	.....	.....
Unknown.....	.....	.....	.....	.....	.....	.....
Not insane.....	.....	.....	.....	.....	.....	.....
Total of persons.....	84	81	165	84	81	165
Mean ages.....	37.20	42.70	39.90	41.99	46.62	44.26
				20	22	42
				53.55	56.05	54.86

12. REPORTED DURATION OF DISEASE BEFORE LAST ADMISSION.

PREVIOUS DURATION.	FIRST ADMIS- SION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Congenital									
Under 1 month	10	10	20	....	3	3	10	13	23
From 1 to 3 months..	7	7	14	1	2	3	8	9	17
“ 3 “ 6 “ ..	4	5	9	2	....	2	6	5	11
“ 6 “ 12 “ ..	4	5	9	4	3	7	8	8	16
“ 1 “ 2 years....	5	1	6	2	4	6	7	5	12
“ 2 “ 5 “	6	8	14	14	11	25	20	19	39
“ 5 “ 10 “	2	5	7	11	6	17	13	11	24
“ 10 “ 20 “ ....	....	1	1	8	10	18	8	11	19
Over 20 years.	1	....	1	3	1	4	4	1	5
Unknown									
Not insane									
Total of cases	39	42	81	45	40	85	84	82	166
Total of persons.....	39	42	81	45	40	85	84	81	165
Average in years.....	1.57	1.73	1.65	6.98	5.82	6.44	4.47	3.72	4.10

13. FORM OF MENTAL DISEASE IN CASES ADMITTED OR DISCHARGED, WITH CONDITION ON DISCHARGE.

Form of Disease.	Cases Admitted.			Cases Discharged.												Aggregate.							
	Recovered.			Much Improved.			Improved.			Not Improved.			Emergency and State Cases Transferred.			Died.		Aggregate.					
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.						
Mania, acute	4	5	9	1	3	4	1	1	1	1	1	1	1	3	4	1	1	2	3	2	11		
“ chronic																					1	1	
“ recurrent																						1	1
Melancholia, acute	10	14	24	2	5	7	3	3	3	1	1	1	1			2	2	4	4	14	18		
“ chronic	2	2	4	1	1	2	1	1	1	1	1	1	1							1	1		
“ recurrent	1	1	2																				
Dementia, primary	2	2	4																				
“ post-paralytic	2	2	4																	1	1	1	
“ secondary	1	13	14	2	2	4	2	2	2	2	2	2	2			1	2	3	5	2	7		
“ senile	38	5	43	1	1	2	1	1	1	1	1	1	1			1	1	2	3	1	4		

[illegible]

14. DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			EMERGENCY AND STATE CASES TRANSFERRED.			DIED.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First	7	11	18	4	8	12	4	5	9	3	3	6	3	4	7	17	21	38	38	52	90
Second	1	1	2	5	1	6	.....	.....	.....	.....	3	3	.....	.....	.....	3	1	4	9	6	15
Third .....	.....	1	1	1	1	2	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	2	2	4
Fourth .....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Total of cases	8	13	21	10	10	20	4	6	10	4	6	10	3	4	7	20	22	42	49	61	110
Total of persons	8	13	21	10	10	20	4	6	10	4	6	10	3	4	7	20	22	42	49	60	109

15. CAUSES OF DEATH.

CAUSES.	Males.	Females.	Total.
<i>Nervous system :</i>			
Exhaustion from acute mania		2	2
“ “ senile dementia		2	2
“ “ “ insanity	2	4	6
General paralysis	6	1	7
Post-paralytic insanity	3		3
<i>Respiratory system :</i>			
Broncho-pneumonia		1	1
Chronic bronchitis	1		1
Phthisis pulmonalis	2	6	8
<i>Circulatory system :</i>			
Cerebral hemorrhage	1	2	3
Organic heart disease	1	1	2
<i>Digestive system :</i>			
Dysentery	1	1	2
Exhaustion from diarrhœa	1		1
Intestinal strangulation	1		1
<i>General :</i>			
Bright's disease	1	1	2
Old age		1	1
Total	20	22	42

16. RECOVERIES CLASSIFIED BY DURATION OF DISEASE AND OF TREATMENT.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.			Whole known Period of Mental Disease.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Congenital												
Under 1 month	2	7	9									
From 1 to 3 months ..	3	1	4									
“ 3 to 6 “		3	3	4		6	1	2	3	1	2	3
“ 6 to 12 “				3		11	4	7	9	3	6	9
“ 1 to 2 years	2		2			2	1	2	4	2	2	4
“ 2 to 5 “	1	1	2	1		2	2	2	4	2	2	4
“ 5 to 10 “									1		1	1
“ 10 to 20 “												
Over 20 years												
Unknown												
Total	8	13	21	8	13	21	8	13	21	8	13	21
Average of known cases (in months)	8.14	5.34	6.41	10.48	9.79	10.05	18.62	15.13	16.46	20.51	21.65	21.02
										10.99	15.33	13.68

17. DEATHS CLASSIFIED BY DURATION OF DISEASE AND OF TREATMENT.

Period.	LAST ATTACK.						ALL ATTACKS.					
	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.			Whole known Period of Mental Disease.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Congenital												
Under 1 month	2	5	7									
From 1 to 3 months.	2	2	4	7	4	11	2	1	3	3	4	7
" 3 " 6 "	6	3	9	4	2	6	1		1	2	2	4
" 6 " 12 "	3	1	4	9	4	13	2	2	4	4	3	7
" 1 " 2 years	2	2	4	2	1	3	2	2	4	1	1	2
" 2 " 5 "	4	5	9	3	5	8	2	2	4	3	5	8
" 5 " 10 "		2	2	6	1	7	6	6	12	5	1	6
" 10 " 20 "		1	1	3	3	6	2	2	4	2	3	5
Over 20 years.....	1	1	2	2	1	3	2	2	4	1	1	2
Unknown				1	2	3	1	1	2	1	2	3
Total.....	20	22	42	42	20	62	22	20	42	20	22	42
Average of known cases (in months)	21.49	36.41	29.31	41.53	30.75	36.14	56.41	62.88	59.72	41.81	31.05	36.43

18. ANNUAL ADMISSIONS SINCE THE OPENING OF THE HOSPITAL, WITH DISCHARGES AND DEATHS WITHIN THE PAST YEAR, AND THE NUMBER OF EACH YEAR'S ADMISSIONS REMAINING DECEMBER 31, 1895.

YEARS ENDING APRIL 30.	NEW CASES.										READMITTED CASES.										Remaining of each Year's Ad- missions, Dec. 31, 1895.															
	DISCHARGED AND DIED IN 1895.										DISCHARGED AND DIED IN 1895.																									
	ADMITTED.					Trans-ferred.					Recov-ered.					Much Im-proved.						Im-proved.					Not Im-proved.					Died.				
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.		Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.					
1840..	48	48	96																																	
1841..	31	19	50																																	
1842..	16	20	36																																	
1843..	33	23	56																																	
1844..	14	13	27																																	
1845..	20	7	27																																	
1846..	16	12	28																																	
1847..	28	25	53																																	
1848..	27	43	70																																	
1849..	35	40	75																																	
1850..	28	42	70																																	
1851..	30	38	68																																	
1852..	40	35	75																																	
1853..	38	10	48																																	
1854..	35	28	63																																	
1855..	32	35	67																																	
1856..	54	45	99																																	
1857..	17	18	35																																	
1858..	23	17	40																																	
1859..	46	35	81																																	

INSTITUTIONS DEPARTMENT.

89

[illegible]

* This and following years end December 31.

¹ Eight months, ending December 31, 1885.

19. RELAPSED CASES ADMITTED IN EACH YEAR AND DISCHARGED IN 1895.

CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																										
YEARS ENDING APRIL 30.	ADMITTED.			DISCHARGED AND DIED IN 1895.																				Remain- ing Dec. 31, 1895.		
				Recov'd.						M'ch imp			Improv'd			Not imp.			Transf'd			Died.				
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.		T.	
1840																										
1841																										
1842	1	1	2																							
1843		1	1																							
1844		4	4																							
1845	1		1																							
1846	2		2																							
1847	2		2																							
1848	2	1	3																							
1849	1	2	3																							
1850	1	3	4																							
1851	2	1	3																							
1852	1	2	3																							
1853	2	2	4																							
1854	3	3	6																							
1855	2	3	5																							
1856	5		5																							
1857	1		1																							
1858	1		1																							
1859	3	3	6																							
1860	8	5	13																							
1861	9	8	17																							
1862	12	4	16																							
1863	7	3	10																							
1864	5	2	7																							
1865	4	1	5																							
1866	7	2	9																							
1867	6	2	8																							
1868	3	4	7																							
1869	4		4																				1		1	
1870	5	2	7																							
1871	1	3	4																							
1872	4	3	7																							
1873		1	1																							
1874		2	2																							
1875	3		3																							
1876	5	4	9																							
1877																										
1878	1	1	2																							
1879	3	2	5																							
Carried forw'd.	117	75	192																				1		1	

RELAPSED CASES, ETC. — *Concluded.*

CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																													
YEARS ENDING APRIL 30.	ADMITTED.			DISCHARGED AND DIED IN 1895.																								Remain- ing Dec. 31, 1895.	
				Recov'd.						M'ch Imp				Improv'd				Not Imp.				Transf'd				Died.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		
<i>Brought forward</i>	117	75	192																								1	1	
1880....	1	1	2																										
1881....	1	3	4																										
1882....	5	4	9																							1	1		
1883....	4	5	9																										
1884..	5	6	11																										
1885..		3	3																										
1885 ¹ ..	2	3	5																										
1886 ² ..	4	1	5																										
1887....	4	6	10																							1	1		
1888....	5	6	11																							1	1	2	
1889....	11	5	16																							2	3	5	
1890....	2	5	7																							1	1		
1891....	3	6	9																										
1892....	2	3	5																								2	2	
1893....	3	9	12		1	1									1	1										5	5		
1894....	2	7	9		1	1	1	1	2																	5	5		
1895....	5	4	9	1		1						1	1													4	3	7	
Total.	176	152	328	1	2	3	1	1	2		1	1		1	1											10	21	31	

¹ Eight months, ending December 31, 1885.
² This and following years end December 31.

FARM PRODUCTS AT AUSTIN AND PIERCE FARMS.

Apples	10 bushels.
Beans, Lima	18 "
Beans, shell	71 "
Beans, string	62 "
Beet greens	96 "
Beets, table	244 "
Beets, mangel-wurzel	937 "
Cabbages	6,460 heads.
Cauliflowers	260 "
Carrots	78 bushels.
Celery	1,600 heads.
Cherries	2 bushels.
Corn, green	400 baskets.
Cucumbers	1,965
Green fodder and ensilage	280 tons.
Hay, Austin Farm	17 "
Hay, Pierce Farm	31 "
Hay, Pierce Farm meadow	7 "
Hay, bought standing	5 "
Hay, oats	18 "
Ice cut for Austin Farm	265 "
Ice cut for South Boston and Pierce Farm	95 "
Lettuce	3,200 heads.
Melons, musk	1,180
Milk	118,953 quarts.
Onions	270 bushels.
Parsnips	154 "
Pears	30 "
Peas	78 "
Pork, dressed	25,205 pounds.
Pumpkins	5 tons.
Radishes	450 bushels.
Rhubarb	1,500 pounds.
Small fruits	574 boxes.
Spinach	75 bushels.
Squash, summer	1,100 pounds.
Squash, winter	10 tons.
Tomatoes	130 bushels.
Tomatoes, green	15 "
Turnips	493 "
Turnips, rutabaga	170 "

BOSTON ALMSHOUSE AND HOSPITAL.

LONG ISLAND, BOSTON HARBOR, February 1, 1896.

DR. A. B. HEATH, *Institutions Commissioner*:

DEAR SIR: I respectfully submit the annual report of this institution for the year ending January 31, 1896:

The table of admissions, discharges, etc., includes those of the women who were formerly at the Home for Paupers, Rainsford Island, as they were transferred to this institution last February. Comparative statistics are sometimes instructive, I have appended a table, showing, by years, the total admissions, average number of inmates, and number remaining at date of annual report at the pauper institutions at Long and Rainsford Islands for the past eight years, and the number of first admissions since 1890. A careful study of these shows some remarkable facts concerning the past year: whereas the previous seven years shows a gradual increase in the number of admissions, this year shows a falling off of 450 from last year, 334 men and 116 women. The average number for the past seven years never went below 728; the average for those years is 789; this year it drops to 693. The number of inmates remaining at date of annual report averages for the seven years, 921; this year we have but 815. The daily average of men at this institution during the seven months ending January 31, 1895, was 405; that for the seven months ending January 31, 1896, was 341, a drop of about 20 per cent. What have been the reasons for these unusual losses? I am not prepared to say. Let us hope that they are permanent.

Of the 1,696 total admissions 352 were for the first time. Of the 980 men admitted 566 or 58 per cent. have been, by their own admission, inmates of penal institutions, and that, too, recently.

In my previous reports I have taken the occasion to deplore the lack of means to enforce discipline at this institution, and to express the hope that some measure would be passed, at no distant day, which would enable us to more easily control our turbulent element. We can now accomplish that much desired result, for on July 1st a law went into effect which allows us to make rules for the government of this institution and to enforce them by punishing infrac-

tions thereof to the extent of restraint of liberty and diet. To aid us in restraining the liberty of the inmates we have constructed five cells, three of them for men, two for women. The former are of brick 8 feet by 6 feet by 7 feet 8 inches, light and air being admitted through an iron barred door 6 feet by 2 feet; the latter are of wood, 8 feet by 7 feet by 7 feet 6 inches, with solid doors, light and air in these coming from the top, which is made from iron gratings. There is an iron bedstead in each. The diet has been restricted simply in variety. Under this law in seven months we have made twenty-six punishments, twelve of men, fourteen women. The length of confinement has varied from eight hours to three days. Two were locked up in July, 9 in August, 4 in September, 6 in November, 5 in December, none since December 22d. Of these, 1 was locked for stealing, 4 for mutual assault, 1 for destroying institution property and assault on a matron, 6 for refusing to work and using indecent language, 7 for creating a disturbance, using profane, obscene, and threatening language to employees, 3 for assault on employees, and 4 for refusing to work. These were all aggravated cases and in nearly every instance were inmates who had been repeatedly reprimanded in every case. So far, the result has proved satisfactory. The mere presence of the cells has had a salutary effect upon the conduct of certain inmates, heretofore unruly, and discipline is comparatively easy to maintain. The past year has seen a remarkable change in that respect at this institution. The inmates as a whole are very well behaved, quiet, and cheerful, willing to work at all times, — at least, they do not object, — and most of them seem to appreciate the fact that we are trying to work for their benefit. Of course, as is to be expected, we have some to whom the foregoing will not apply, who are surly and dissatisfied — always were and always will be. Apropos of these grumblers I have in mind several persons, still with us, who are continually fault-finding, and yet two or three times when it has been suggested that they were to be removed to some other institution they have begged me, literally, with tears in their eyes, not to allow them to be sent away from here.

Since I have been connected with this institution I have spent some time in visiting other institutions to study the various means used at them to keep their inmates employed, and have devoted much thought as to how we could apply any of the trades I saw in use to the benefit of our own institution and its inmates; but in no place have I seen anything that would exactly suit our case. I want to say here, and I know the statement cannot be successfully contradicted,

that there is not in any of our Eastern States, and I doubt in this whole United States, an institution which corresponds in its size and material surroundings and the character of inmates with our own.

The problem as to the employment of our women is easy of solution, as we have not enough able-bodied women to do the "domestic work" of the hospital and dormitory, and work which properly belongs to women now has to be done by men. For the women who are able to sew and yet not strong enough for housework, we have a sewing-room in which we manufacture all the women's clothing and do a great deal of repairing on the men's clothes. This sewing-room was opened during the past year, early in the spring. Quite a number of the older and more infirm women are kept employed knitting stockings. They do not accomplish much, but it serves to occupy their time. What to do with the men is the question. The trouble is not in finding suitable employment for the able-bodied, but for the class of men who correspond to the women who sew and knit. As to the able-bodied, those who have trades, such as carpenters, painters, whitewashers, shoe-makers, plumbers, steam-fitters, blacksmiths, tailors, etc., we can always keep such numbers as we are likely to have, busy on either new work or repairs: in fact, we now have enough men of this class. Of those unskilled it takes a large force to do the house work of the institution and male hospital. The surplus we can work on the farm and grounds, or can at least for many years to come; therefore I do not think it advisable at this time to attempt to start any organized industry for able-bodied men. But we have in the institution to-day about one hundred and fifty men who are neither able-bodied nor subjects for the hospital, who are living practically in idleness; the little chores many of them do around the building do not occupy one-tenth of their time. Ought these men, simply for their own good, to be employed at some regular work? We should never anticipate any revenue for the institution from their labor; if we did we should be disappointed. What ought we to do to do our duty towards them? What shall they do? To the casual observer it would seem as though these men ought to accomplish quite an amount of work; but upon closer inspection, upon more intimate knowledge, it will be seen that but few of them are capable of any sustained effort no matter how light it may be. Extreme old age incapacitates quite a number; mental weakness and rheumatism disposes of as many more. All of the simple trades usually found in institutions, as carving chairs, basket, brush, or broom making, demand a certain degree of manual dexterity, and that our men, in

almost every instance, lack. Out of the entire number of the class under discussion there are not over ten or fifteen whom we dare trust to peel vegetables, and consider capable even for that simple work. Now, which will be the true charity, — to let them live along quietly as we have in the past and die in peace, or furnish them with some employment which they do not desire, to occupy the time now spent in gossiping, loafing in smokers' hall winters and on the lawn under the trees summers? The only suggestion that I have to make is that we might set them to picking oakum a few hours each day. There would be no financial profit in this, but in all probability a loss. I have brought this matter up at the present time because we shall have in a few days a room suitable for a workshop. I have in view the room now used as a chapel, something which has heretofore been lacking in any scheme we might form for keeping any of our inmates employed at a regular trade.

I take this opportunity, knowing as I do that you are trying to make such changes in the institutions under your charge as will tend to improve them and the condition, present and future, of their inmates, to offer the following for your consideration :

There are two classes of inmates who come to this institution: first, those who from sickness, old age, or some mental or bodily infirmity have become a charge upon the city; second, those who are well and strong, but who from their unfortunate habits, lack of ambition, or some other cause, are unable to obtain or keep regular employment. All of the first class demand more or less medical treatment and may be classed as hospital or infirmary cases; the large majority of them being chronic or incurable will stay here the remainder of their lives. Our object, as I understand it, is to give them the best care possible and make their surroundings as pleasant and comfortable as our means, financial and otherwise, will permit. Our duty towards this class is clear and the fulfilment of it not over-difficult.

With the second class everything is different. Here is a set of men who certainly ought not to be dependent upon the city for their support, yet if my past twelve years' experience with them has taught me anything it is that they will be dependent unless our methods of handling them are changed. Our statistics show that this class spend the greater portion of their time between the House of Industry and the almshouse. A superficial knowledge as to the number of commitments to these institutions would lead one to suppose that a great many different people went to them. This is not so. A few go out and return a great many times. They enter

first one and then the other institution. How to successfully treat this class is the great problem with us. To-day, with the exception of the amount of work required and enforced, both classes are treated alike and mingle together to a greater or less extent. A proper classification carefully carried out would be a step in the right direction. Many talk of classification, but none give details or estimate the expense. It is obvious that the second class does not need, nor should they receive, the same treatment as the first class; neither their physical nor moral well-being demands it. The former should properly be considered as workhouse cases and committed as such distinct from the almshouse.

This institution is now known as the Boston Almshouse and Hospital. Whether it is a workhouse as well as an almshouse is a mooted question. What I suggest is this: designate this institution as the Boston Charity Hospital, and make it such a place to which only such cases as are included in our first class, namely, those who from sickness, old age, or some mental or bodily infirmity, have become a charge upon the city, can come for such care and treatment as they require. Under the circumstances we would attract and relieve many worthy people who now, dreading the odium attached to the word almshouse, will not come to this institution. This would tend to elevate the character of the institution in many ways, to make it of greater benefit to the community at large, and enable us to do better by the inmates who properly belong here.

What is to be done with our second class of able-bodied men? Let them be committed, self-committed, for a definite term of not less than sixty days, and as much longer as the applicant may desire, to a workhouse from which they could be drafted to do the work at this institution. The workhouse could be located at Deer Island with no additional expense. Objection might be made to this that any poor honest man out of employment, going to the city for support, would there be obliged to associate with criminals. Practically it would not be so, as all the self-committed men and women could be immediately sent to this institution, for in the past three years I have never seen a day when we had inmates enough to do the work we have had on hand, nor are we likely to have for many years to come.

It might be asked, if under this plan the same persons are still to be on Long Island, what benefits do we expect to derive, and where the elevation of the institution, the reformation of the individual? I wish to say that I do not believe a public charitable institution under the best of conditions is a very favorable place to make a man a good citizen; also

that as long as we have a definite length of sentence a workhouse or any other penal institution offers but a poor chance of reforming its inmates. I think that the superintendent should have the power to discharge at any time, after proper observation and study of the individual case, any inmate whom he considered had proved himself worthy, that no inmate should be discharged until he had so proved himself, that there should be some organized board or society in the city to which each case could be sent, whose duty it would be to find employment for the discharged before their release and to keep track of them, as much as possible, afterwards; to lend them encouragement and help whenever necessary. It has always seemed to me that this was the great, the most promising field for those philanthropically inclined towards the poor and the unfortunate, the field of the discharged pauper, the discharged criminal. I have known many a man and woman who would gladly have gone to work upon their discharge from these institutions could they have procured it, and who with very little oversight and encouragement would undoubtedly have become good citizens. The trouble with most of our unfortunates is that they lack ambition, that they lack will-power and perseverance. Many mean to do well, but after they get to the city, — if they have no work to go to immediately, no one to take an interest in them, after one or two feeble efforts to secure work they drift back to their old associates who are always ready to welcome them.

Believing then, as I do, that the city is the more favorable place for carrying on the elevating and reforming process, the benefits we expect are, to be able more easily to separate the reformable from the others, to be able to get better work from those who can work, to be able to make the lives of the first class more pleasant by a more complete separation, impossible under the present order of things, to give us the undeniable right to make a distinction between inmates in other ways than in the amount of work required, and I think it would tend to lessen the number of persons to be supported by the city.

It would probably require some legislation to carry out the foregoing plan. If this should be found impracticable, and it was possible to obtain a written opinion from the corporation counsel, under which we would be protected by the city in carrying out our plans, that this institution was a workhouse, it would be possible, by organizing the workhouse as a distinct department of the institution, and having separate commitments to it, to obtain many of the improvements we desire.

For some months past we have tried the policy of restricting passes, to the extent that they have been issued only to those inmates who have been here sixty days. If it has made any difference it is very slight. The old men, as a general rule, have never gone out as often as once in sixty days. Now when the young men want to go out if their time is not up they take a discharge. The result would be the same if the time was extended to ninety days. It has always seemed to me that this question of passes was one that could not be settled *per se*, as long as the law stands or is interpreted that a pauper can go out on a discharge and come in on a new permit, at their own option. Even though it be daily we had much better grant them passes within a reasonable limit; as they are used or given to-day they act somewhat as a restraint on the men. If passes were abolished they would, in a short time, go to the city more often than they do now. If we are to be obliged to entertain at this institution these men who now come and go so frequently, some law should be enacted by which they could be committed here for a definite period, not too short; preferably, as I have said, an indefinite period dependent upon their conduct while here. Could this be accomplished, and I hope some day to see it, the solution of the pass question, and many other more vexing ones as well, would be rendered comparatively easy.

During the past year our plant has been increased by the addition of several new buildings and enlargement of others. Early in February we began to build an ice-house. It was completed too late, however, to enable us to fill it with ice of our own cutting. This year we have succeeded in filling it with ice cut from our reservoir. The building is estimated to hold three hundred and fifty tons.

Our so-called piggery, situated at the east end of the island, which formerly consisted of a few abandoned Portuguese cottages, placed end to end, was rebuilt last spring and a large addition made, doubling its capacity. We have long been desirous of getting our carpenter shop out of the basement of the institution building, not only to give us room to enlarge our store, but on account of the danger from fire. This winter we have completed a good-sized carpenter shop, next to the blacksmith's shop, and hope soon to build a paint shop in the same vicinity. These three buildings were built by our own mechanics at very little expense. A large part of the material used in the two latter was either picked up on the beach or saved from old buildings now destroyed. July 20 work was begun on a dwelling-house for the superintendent and completed ready for occupancy, January. The house is a very substantially built, wooden building,

old colonial style, twelve rooms and a bath, with laundry in the basement. It is heated by hot water and lighted by electricity and gas. It is advantageously located on a slight knoll, about one hundred yards from the water, east of the main road from wharf to institution buildings, commanding a good view of the latter. This house was very much needed. We are now enabled to use the old quarters of the superintendent as a nurses' home, the purpose for which they are best fitted.

Another building also very much needed has been constructed during the past year; namely, a chapel. This is also a wooden structure, but has panels of Portland cement to conform to the style of the hospital and women's dormitory. The interior finish, including the pews, is of hard pine. The building is 96 by 52 feet, with a seating capacity of nearly 800; is heated by steam and lighted by electricity. It is situated on the slope to the north of the hospital building, about 50 yards distant and 100 yards from the women's dormitory.

Last summer a good substantial picket fence was built around the cemetery, and the grading and laying out of paths, commenced in the fall of 1893, completed. I might mention in this connection that we have built a good hearse, to be used in carrying the dead to the cemetery, and to the wharf when they are to go to the city.

One of the greatest improvements, from a sanitary point, made last year was the addition of a men's toilet and wash room in the basement of the main building. This gives us eight additional water-closets, a slate urinal twenty-three feet long, and a sink with washing taps. The walls of the toilet-room are brick and the floor granolithic. The whole is arranged with a view to washing it down with a hose as often as is necessary. Other slight improvements in the same direction have been the fixing, by pulleys and chains, of the water-closets in the hospital and dormitory so that we are sure of getting a fore and after flush, and the putting up of a slate urinal in the men's toilet-rooms at the hospital.

The year has been one of considerable activity with us in the painting line. We have been unusually favored both in numbers and good quality of painters. We have painted the chapel and superintendent's house inside and out, also the mortuary. We have painted nearly the whole inside of the main building, two coats; all the wards, toilet-rooms, isolating rooms, etc., in the west and centre wings of the hospital, three coats; all of the steam-pipes at hospital and dormitory, and most of the soil and water pipes; the outside of the piggery, ice house, blacksmith shop and carpenter shop, the

nurses' cottage, the cemetery and dormitory yard fence, 650 iron bedsteads, nearly 500 rocking and dining-room chairs, and have done innumerable odd jobs always necessary in a large institution.

An improvement which has proved its usefulness many times already was made in our water system last spring. Our fire-pump was connected with the main supply-pipe in such a way that now whenever the water pressure gets low, by starting the pumps we can 'raise it to any desired limit, and in case of fire the hydrants can be made of some practical use. This subject of water pressure means a great deal to us. There may be plenty of water in the mains on the island, but with too low pressure to force itself into our water-closets or hot-water tanks. The pressure from the reservoir even is not enough to lift the water into the latter. Since the pump was connected last spring it is safe to say it has been in use one-quarter of the time.

Our water supply this year has been the most satisfactory of any in the history of the island, and it seems now as though we ought to be free from any further trouble from this source. We have had about all the water we could use throughout the year, with the exception of four days, March 7 to 10 inclusive, when we had to depend on the water boat. The water main between Moon Head and Long Island froze on the night of February 4. We immediately began to draw from the reservoir and continued to do so until March 7, when that supply gave out, and it was not until March 10 that we got water through a temporary lead pipe. The water from the city was again shut off from July 20 to 31, but our reservoir this time supplied us with plenty.

During the month of October our reservoir was drawn off, cleaned out, and the lower portion of it concreted and the water turned on November 6. Running water has been carried into the barn.

In this connection it may be proper to speak of an improvement, one not made by us, but of which we expect to reap the benefit. The Water Board has had the water main which runs from Moon Head to Long Island buried five feet under the bottom of the bay. Heretofore this pipe has frozen nearly every winter. We hope that the means taken to prevent it will prove successful for the future.

At the west end of the island the tide has for several years been flowing in and out over the flats. This action of the tide washed off so much of the sand covering the water-pipe that it froze at this point last winter. We have tried to remedy it by digging a trench about one hundred and fifty feet long and ten feet wide, and to the depth of one foot below

the water-pipe, filling the trench three feet with clay, the rest with sand, bulkheading the whole with barrels filled with stone and gravel, and building a breakwater of rocks on the water side. This work occupied the time of some thirty men for a month or more, as the stone and clay had to be brought from a distance. So far this has proved a success.

Among the many alterations and improvements made during the year I might mention the issuing of individual towels to the women and the furnishing them with underdrawers; the moving of the ironing department to basement of women's dormitory, making it easier for the women, as they do not have to come out doors in stormy weather, and giving us more workroom in the laundry; the setting up of two washing machines and a large size extractor; the building of a new drying room, and altogether more than doubling the capacity of our laundry; fencing in the women's yard, putting in electric lights at the barn, thus doing away with the danger from using lanterns; the fitting up of a reception room for employees so as to make it more attractive; the enlarging, to double its former size, of the clerk's office, which has for some time been too small for the growing needs of the institution, and furnishing the assistant superintendent with a private office; the arrangement of tables in the men's dining-hall has been altered so that instead of long tables to accommodate sixty-four, we now have a greater number of short tables to seat eighteen and twenty; and the enlarging of the capacity of our coal bunks by about 125 tons.

Our electric and heating plant has been well kept up and is in good condition; a new set of tubes was put in each of our two small boilers, so that they are now in condition to run for many years.

Much work has been done during the year grading around the reservoir, the new wing of the hospital, and the women's dormitory; much still remains to be done at the latter. Some road building has been done around the hospital and laundry; not much, but what we have done has been well done. There is enough of this kind of work alone to be done on the island to keep the able-bodied men busy every pleasant day for the next five years. A great deal of time and much labor has been spent in building bulk-heads and breakwaters to protect the cliff back of the dormitory, the cliff to the east of the front wharf, and the embankment to the west of the wharf, and prevent their washing away; it will be necessary to continue this work.

Early last spring two groves of willow trees were set out near the bog holes near the pasture, one on the south, the

other on the north side of the island, a small grove in the women's yard, and a row of trees around the cemetery. These are all doing quite as well as could be expected. More will be set out this coming spring.

The following list gives the number of new articles manufactured for our own use in our sewing-rooms, showing in a measure the amount of work done there: towels, 2,382; roller towels, 247; wool shirts, 854; cotton shirts, 836; wool drawers, 840 pairs; cotton drawers, 306 pairs; aprons, 407; dresses, 268; overalls, 105 pairs; jumpers, 64; night-gowns, 121; chemises, 218; petticoats, 120; waists, cotton, 27; men's night-shirts, 37; sheets, officers', 85; pillow-slips, 193; wool socks, 44 pairs.

The farm produce averages about the same this year as in the past few seasons. The yield undoubtedly would have been far above the average had it not been for the drought which lasted for several weeks. We have put 180 cords of manure on the land the past season; we gathered 75 cords of seaweed from the beach to aid us in the production of fertilizing material, and we have gotten out 40 cords of muck which we expect to make use of next year. A summary of the crops is appended.

Mr. George H. Stinson, who came here February 12, 1894, as deputy superintendent, was obliged, on account of failing health, to resign from the arduous duties of that position on February 15, 1895. Mr. William F. Clark was appointed to fill the vacancy. Mr. Stinson was appointed relief officer, but his health gradually failed, and he died June 29. His death was a loss to us, as he always did his duty to the best of his ability.

As in years past, this institution is indebted to the House of Industry for supplying us with men to do our work. This year we have averaged seventy-five daily. I take this opportunity to acknowledge our obligation.

If our bill for fuel is unusually large it is due to the fact that from the increase in our number of buildings we have been heating almost double the number of cubic feet of air space.

A coal-shed has been recommended so often for this island, and the need of it is so well understood, that it seems superfluous to mention it again.

In closing I wish to thank you for the support given me and for the kindness and consideration you have always shown me.

Yours respectfully,

C. H. COGSWELL,
Superintendent.

ADMISSIONS, DISCHARGES, ETC., AT ALMSHOUSE AND HOSPITAL, LONG ISLAND, FOR THE YEAR ENDING JANUARY 31, 1896.

Remaining January 31, 1896 :

Males	488
Females	327
	<hr/>
Total	815

Admitted :

Males	983
Females	718
	<hr/>
Total	1,701

Discharged :

Males	1,012
Females	562
	<hr/>
Total	1,574

Discharged by death :

Males	75
Females	92
	<hr/>
Total	167

Largest number during the year :

Males	528
Females	393
	<hr/>
Total	921

Smallest number during the year :

Males	280
Females	283
	<hr/>
Total	563

Average number during the year :

Males	370
Females	323
	<hr/>
Total	693

AGES OF INMATES ADMITTED DURING THE YEAR.

Males.				Females.			
Under 20 years	.	.	40	Under 20 years	.	.	24
20 to 30 years	.	.	165	20 to 30 years	.	.	50
30 " 40 "	.	.	325	30 " 40 "	.	.	112
40 " 50 "	.	.	270	40 " 50 "	.	.	146
50 " 60 "	.	.	91	50 " 60 "	.	.	160
60 " 70 "	.	.	52	60 " 70 "	.	.	144
70 " 80 "	.	.	27	70 " 80 "	.	.	69
80 " 90 "	.	.	13	80 " 90 "	.	.	12
			—	90 " 95 "	.	.	1
			983				—
							718

SUMMARY OF CROPS, ETC.

35 tons of hay.
 4 " " squash.
 100 " " corn fodder.
 16 " " oats for fodder.
 $\frac{1}{2}$ ton " summer squash.
 1,500 bushels of mangels.
 500 " " sweet corn.
 640 " " onions.
 100 " " turnips.
 250 " " beets.
 100 " " carrots.
 100 " " tomatoes.
 25 " " peas.
 15 " " string beans.
 100 " " parsnips.
 240 " " potatoes.
 200 " " onion sets.
 10 " " peppers.
 12,000 heads of cabbage.
 3,000 " " celery.
 800 " " lettuce.
 600 bunches radishes.
 40 barrels of cucumbers.
 1,000 pounds of rhubarb.
 10,617 " " pork.
 2,500 bedding plants for decorating grounds.
 65,966 quarts of milk.

TABLE SHOWING TOTAL ADMISSIONS, DAILY AVERAGE, ETC.,
FOR PAST EIGHT YEARS.

YEAR.	Total Admissions.	First Admissions.	Number remaining at date of an- nual report.	Average Number.
1888.....	1,231	.....	944	787
1889.....	1,273	.....	847	816
1890.....	1,154	332	862	746
1891.....	1,273	453	926	813
1892-93.....	1,352	441	992	812
1893-94.....	1,705	379	919	728
1894-95.....	1,951	364	960	806
1895-96.....	1,501	352	815	693

Of the 1,696 admissions which appear in the statistics for the year, 195 were transfers from Rainsford Island.

**RULES AND REGULATIONS FOR INMATES AT BOSTON ALMS-
HOUSE AND HOSPITAL, LONG ISLAND, BOSTON HARBOR.**

1. Inmates immediately upon their arrival at the alms-house, unless excused by a physician, must take a bath and change their citizen's clothing for a full outfit of institution clothes. Inmates will not be allowed to wear any of their own clothing while in the institution except by express permission of the Superintendent, and all money must be given to the Superintendent for safe keeping.

2. Inmates must rise at 5.15 A.M., and retire at 8 P.M., at which time all lights must be turned down. The gong will be sounded at those hours.

3. The regular hours for labor will be from 7 to 11.30 A.M. and from 1 to 4.45 P.M.

4. Hours for meals will be breakfast, 6 A.M.; dinner, 12 M.; supper, 5 P.M.

5. Smoking is prohibited within 1,500 feet of any building, or in the building outside of the regular smoking rooms.

6. Male inmates are positively forbidden, except on business, to walk or loiter on that portion of the island lying east of the male institution building; females, that portion of the island lying west of the female building.

7. Communication, either written or oral, between male and female inmates is forbidden except by express permission of the Superintendent.

8. Inmates are forbidden, except on business, to enter the barn or other out-buildings, or to loiter about them or the wharves.

9. Inmates must be bathed at least once a week, and cleanliness both in person and in habits will be enforced. Male inmates must be at their bedside at 11 A.M., and female inmates at 2.30 P.M., every Sunday to undergo inspection of clothing.

10. Profane, obscene, and impertinent language, disorderly or insubordinate conduct, talking in the dormitories after retiring, wilful destruction of institution property, annoying "cranky" or feeble-minded inmates are strictly prohibited.

11. Inmates must perform such work as may be assigned to them faithfully and well, and obey the orders of their officers and rules of the institution cheerfully and promptly.

12. Leave of absence will be granted to males on Monday; to females on Wednesday.

HOSPITAL REPORT.

To the Commissioner of Public Institutions:

SIR: I respectfully submit the following report of the hospital of this institution:

Number of patients in hospital February 1, 1895,	183
Admitted:	
Males	330
Females	440
	— 770
Total number treated in hospital .	953
Discharged:	
Males	267
Females	267
	— 534
Remaining in hospital February 1, 1896:	
Males	80
Females	172
	— 252
Died:	
Males	75
Females	92
	— 167
	— 953
Largest number in one day	286
Smallest " " " "	246
Daily average	268
Births	30
Number of patients treated as out-patients . . .	5,146

STATISTICS.

MEDICAL DISEASES.

Classified according to the Nomenclature of Diseases, as published by the Royal College of Physicians of London and American Medical Association.

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.	
GENERAL DISEASES.										
Class A.										
Coryza		21	10	31	31					
Influenza		8	14	22	20	2				
Malaria		3	2	5	4					1
Diphtheria		1	1	2	1			1		
Class B.										
Debility, general	8	16	23	47	14	14		1	1	17
Arthritis deformans	1		1	2			1			1
Lumbago		8	15	23	23					
Rheumatism, acute	2	15	18	30	27					3
" chronic	9	6	15	30	2	19	1			8
" sub-acute	1	3	1	5	2	3				
Phthisis, pulmonary	14	59	31	104		27	9	30	20	18
" incipient	1			1			1			

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.	In Hospital Feb. 1, 1906.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.
Tuberculosis, general		1	2	3	.....	1	.....	1	1
Pott's disease		1	.....	1	.....	.....	.....	.....	1
Anæmia		1	.....	1	.....	1	.....	.....	.....
Senility	10	.....	.....	10	.....	7	3	.....	.....
Senile debility	10	31	69	110	.....	30	6	5	23
Rheumatism, gonorrhæal		1	.....	1	.....	1	.....	.....	.....
Alcoholism		45	30	75	73	.....	.....	.....	2
Delirium tremens		1	.....	1	1	.....	.....	.....	.....
Morphine habit .....		.....	2	2	.....	1	1	.....	.....
Diabetes mellitus	1	2	.....	3	.....	3	.....	.....	.....
Addison's disease		1	.....	1	.....	.....	1	.....	.....
Myxædema		1	.....	1	.....	.....	.....	.....	1
NERVOUS SYSTEM.									
Chorea .....		.....	1	1	.....	.....	1	.....	.....
Cerebral hemorrhage	1	3	11	15	.....	4	.....	1	8
Paralysis	1	.....	.....	1	.....	.....	.....	.....	1
Epilepsy	5	11	3	19	.....	9	.....	3	2
Hemiplegia	9	3	13	25	.....	2	5	.....	18
Paraplegia	3	.....	2	5	.....	2	3	.....	.....
Locomotor ataxia	1	1	3	5	.....	.....	2	.....	3
Multiple neuritis	1	1	.....	2	.....	.....	.....	1	.....
Paralysis agitans	2	1	1	4	.....	.....	1	.....	3
Lateral sclerosis	1	.....	1	2	.....	1	1	.....	.....

DISEASES.	In Hospital Feb. 1, 1893.	ADMITTED.			DISCHARGED			DIED.	In Hospital Feb. 1, 1893.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.		
Anterio poliomyelitis.....	1			1			1		
Neuralgia		3	6	9	3	5			1
Catalepsy			1	1		1			
Hysteria			1	1					1
Ataxic paraplegia.....			1	1					1
Neurasthenia.....									
Spinal syphilis.....	1			1			1		
Cerebral "		1		1				1	
Masturbation.....	1			1			1		
Tubercular meningitis.....		1	1	2				1	1
Chronic myelitis.....		5	1	6			2	1	3
Glasso-labio laryngeal paralysis..	1			1			1		
INTELLECT.									
Dementia.....	6	4	8	18		2	8		8
" senile	1	5	15	21		1	8		12
Alcoholic insanity		1		1					1
Epileptic insanity.....			1	1			1		
Idiot	5			5			1		4
Acute dementia		2		2			2		
" mania		2		2			2		
Insanity		1	6	7		1	6		
CIRCULATORY SYSTEM.									
Valvular diseases of heart	5	13	29	47		17	10	8	12

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.	In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.
Functional diseases of heart.....	1			1		1			
Fatty degeneration	1			1			1		
Hæmorrhage		4	3	7		7			
Ascites			2	2		1	1		
DISEASES OF FAUCES.									
Tonsillitis	1	10	13	24	28				
RESPIRATORY SYSTEM.									
Larynx:									
Laryngitis		11	2	5	3	1	1		
Pharynx:									
Pharyngitis	1	27	23	51	51				
LUNGS.									
Bronchitis, acute	1	5	12	18	18				
“ chronic	5	24	28	47	2	20	11	1	4
“ capillary		2	2	4	1			1	2
Asthma	1	6	8	15		11			4
Pneumonia	1	8	10	19	13			8	3
Hæmoptysis	2			2		2			
Hypostatic congestion		1		1				1	
Empyema		1		1				1	
Pleura:									
Pleurisy		2	3	5	4	1			

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.		DIED.		In Hospital Feb. 1, 1896.	
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.		Females.
DIGESTIVE SYSTEM.										
Stomatitis gangrenous.....		1	.....	1	.....	.....	.....	1	.....
" ulcerative.....	1	.....	2	3	2	1	.....	.....	.....
Gastritis		3	4	7	5	2	.....	.....	.....
" chronic.....		4	.....	4	.....	4	.....	.....	.....
" alcoholic		1	3	4	3	1	.....	.....	.....
Indigestion		18	24	42	40	.....	.....	.....	.....	2
Dyspepsia	1	1	1	3	.....	2	.....	.....	.....	1
Diarrhœa		22	45	67	66	.....	.....	1	.....
" chronic.....		3	2	5	.....	4	.....	.....	.....	1
Dysentery			2	2	.....	.....	.....	.....	.....	2
Gastro-enteritis :										
Colic		5	25	30	30	.....	.....	.....	.....
Chronic constipation	1	12	40	53	11	40	.....	.....	.....	2
Cancer, stomach.....			1	1	.....	.....	.....	.....	.....	1
" duodenum.....			1	1	.....	.....	.....	.....	.....	1
LIVER.										
Jaundice catarrhal.....	1	.....	2	3	2	.....	.....	.....	.....	1
Congestion.....		2	.....	2	1	1	.....	.....	.....
Cirrhosis	1	.....	1	2	.....	1	.....	.....	.....	1
URINARY SYSTEM.										
Albuminuria.....			1	1	.....	1	.....	.....	.....
Nephritis, chronic	2	6	2	10	...	5	...	1	...	4

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Cystitis.....		10	6	16	12	3				1
Prostatitis, chronic.....		3		3			3			
Atony, bladder.....		2	2	4	2	2				
CUTANEOUS SYSTEM.										
Psoriasis.....		2		2	2					
Eczema.....	1	2	5	8	4	3				1
Scabies.....		3	1	4	4					
Urticaria.....			2	2	2					
Herpes zoster.....		1		1	1					
Lupus.....	1	1		2		1	1			
Acne.....			3	3	3					
EAR.										
Otitis media.....			3	3	1	2				
Cerumen.....		3	3	6	6					
EYE.										
Ophthalmia gonorrhœal.....		1		1						1
Stricture lacrymal duct.....			1	1			1			
Separation retina.....		1		1						1
Keratitis, old.....		2	4	6			6			
Ulcer cornea.....			1	1	1					
Iritis.....		4	8	12	9	1				2
Cataract.....		1	12	13			10			3
Conjunctivitis.....	2	3	7	12	9	3				

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.	In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.
Pterigium.....	1	1		2		2			
Enucleation eye			1	1	1				
UNCLASSIFIED.									
Exhaustion		3		3				3	
Marasmus		1		1				1	
Oxyuria vermic.....		1		1	1				
Edema of brain.....		1		1				1	
Lead poisoning.....		1		1		1			
Premature birth.....		1		1				1	
Embolism.....			1	1					1
DISEASES OF WOMEN.									
Puerperal eclampsia			2	2	1			1	
Cancer uterus.....	2		7	9			3	4	2
" breast	1		1	2			1	1	
Endometritis	1		2	3		3			
Mastitis			1	1	1				
Retroversion uterus.....			2	2		2			
Prolapse "			2	2		1	1		
Vaginitis	2		1	3	3				
Amenorrhœa	1		4	5			5		
Dysmenorrhœa	1		21	22		22			
Menorrhagia			4	4	3	1			
Pregnancy	5		38	43	30	11			2

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.	In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.		
Laceration perineum.....			4	4	3	1			
Vulvitis	1			1	1				
Ovaritis			2	2		2			
SURGICAL.									
Abscess perineal.....	1	2		3	2	1			
Hæmorrhoids		4	3	7	2	3			2
Fistula in ano.....	1			1	1				
Prolapse rectum	1		1	2		2			
Ulcers	3	12	15	30	24	6			
“ varicose	2	7	18	27	15	6			6
Abscess, ischio-rectal		1		1	1				
“ inf. max		1		1	1				
“ post auric.....			1	1	1				
Periostitis		1		1	1				
Synovitis		3		3	2	1			
Cellulitis	1	1		2	2				
Erysipelas		1		1					1
Gangrene		1		1				1	
Septicæmia			1	1					1
Necrosis scia.....		1	2	3	2	1			
Bursitis			1	1	1				
Hernia, inguinal.....		6		6	1	5			
ventral	1		1	2		1			1

DISEASES.	In Hospital Feb. 1, 1896.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Epithelionia.....		8	1	4			8	1		
Abcess, thumb.....			2	2	2					
" tubercular.....			3	3	3					
Cancer, axillary.....			1	1					1	
" pharynx.....			1	1					1	
Tumor, fatty.....		1		1	1					
Hydrocele.....		3		3		2				1
Larconia.....			1	1					1	
VENEREAL.										
Gonorrhœa.....		10	4	14	14					
Venereal warts.....		1		1	1					
Adenitis.....	1	3	4	8	8					
Chancroids.....	2	10		12	12					
Phimosis.....		4		4	4					
Orchitis.....	1	1		2	2					
Stricture.....	1	4		5	2	1				2
Syphilis.....	19	21	22	62	13	26	4		2	17
" congenital.....	1	2	2	5		2		2	1	
INJURIES.										
Burns.....		2	6	8	7					
Contusions.....		7	8	15	13					2
WOUNDS.										
Lacerated toe.....			2	2	2					

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Contused scalp		7	1	8	8					
“ hand		9	3	12	12					
“ neck		1		1	1					
“ jaw		1		1	1					
SPRAINS.										
Ankle	1		3	4	4					
Knee		1		1	1					
Shoulder		1		1	1					
Wrist			2	2	2					
Finger			1	1	1					
Hip	2			2						2
DISLOCATIONS.										
Shoulder		1		1	1					
FRACTURES.										
Fractured humerus			1	1	1					
“ clavicle		1		1	1					
“ tibia, old		1		1						1
“ fibula	1			1	1					
“ tibia and fibula		2	1	3	2					1
“ femur	1	2	4	7	1	2	2			2
“ radius			5	5	4	1				
“ ulna and radius			1	1	1					
“ 7th cerv. vert.		1		1				1		

DISEASES.	In Hospital Feb. 1, 1895.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1896.
		Males.	Females.	Total.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Fractured patella		1	...	1	1	...	...	...	...
UNCLASSIFIED.										
Varicose veins	1	17	12	30	...	30	...	...	...
Ulceration breast.....			4	4	4	...	...	...	...
Injured finger.....		8	...	8	8	...	...	...	...
Suppurating sinus		1	...	1	...	...	...	...	...	1
Frost-bite.....		2	...	2	2	...	...	...	...
Total.....	183	657	885	1725	779	397	130	75	92	252

OUT-PATIENTS' DEPARTMENT.

DISEASES.	Males.	Females.	Total.
GENERAL DISEASES.			
Class A.			
Coryza	346	132	478
Influenza	6	.....	6
Malaria	9	6	15
Class B.			
Lumbago	27	22	49
Rheumatism articular	307	25	332
" muscular	68	27	95
Phthisis	87	68	155
Anæmia .....	.....	30	30
Alcoholism	142	39	181
Diabetis mellitus	1	.....	1
NERVOUS SYSTEM.			
Cerebral hemorrhage	1	2	3
Epilepsy	32	36	68
Neuralgia	29	26	55
Myelitis	2	.....	2
Cerebral syphilis	1	.....	1
CIRCULATORY SYSTEM.			
Heart disease, functional	23	32	55

DISEASES.	Males.	Females.	Total.
Heart disease, valvular mitral	37	43	80
" " aortic	6	8	14
DISEASES OF FAUCES.			
Tonsillitis	18	4	22
Larynx :			
Laryngitis	41	3	44
Pharynx :			
Pharyngitis	19		19
Lungs :			
Bronchitis, acute	289	260	549
" chronic	66	86	152
Asthma	18	57	75
Hæmoptysis	29	3	32
PLEURA.			
Pleurisy	43	9	52
DIGESTIVE SYSTEM.			
Stomatitis	7	2	9
Gastritis	28	36	64
" alcoholic	33	18	51
Indigestion	93	65	158
Diarrhœa	156	96	252
Colic	44	78	122
Constipation	234	275	509
LIVER.			
Catarrhal jaundice	2	3	5
Cirrhosis	2		2

DISEASES.	Males.	Females.	Total.
URINARY SYSTEM.			
Nephritis, chronic.....	15	23	38
Cystitis.....	36	18	54
Dysuria.....	9	.....	9
Incontinence.....	1	3	4
Retention.....	1	.....	1
CUTANEOUS SYSTEM.			
Psoriasis.....	3	.....	3
Eczema.....	29	14	43
Scabies.....	14	3	17
Pediculi capitis.....	.....	18	18
“ pubis.....	23	.....	23
Acne.....	1	.....	1
UNCLASSIFIED.			
Oxyuris vermicularis.....	14	.....	14
Lead poisoning.....	3	.....	3
Gonorrhœal rheumatism.....	2	.....	2
Seminal emissions.....	2	.....	2
Debility.....	144	187	331
Migraine.....	48	30	78
SURGICAL.			
Hæmorrhoids.....	66	37	103
Fistula.....	3	.....	3
Periostitis.....	1	2	3
Synovitis.....	2	2	4
Ulcers.....	.....	.....	.....
“ varicose.....	48	18	66

DISEASES. .	Males.	Females.	Total.
Burns	16	1	17
Contusions	48	35	83
Wounds, scalp.....	22	.....	22
" hand.....	31	.....	31
" finger	28	.....	28
Sprains, ankle.....	8	.....	8
" knee	2	.....	2
Fracture, radius.....	8	.....	8
" patella	1	.....	1
Abscess .....	.....	3	3
Varicose veins	18	13	31
Stricture urethra.....	27	.....	27
Varicocele.....	4	.....	4
Hydrocele	25	.....	25
Furuncle	13	.....	13
Coxalgia	13	.....	13
Bursitis	1	13	14
Larconia	1	.....	1
EAR.			
Otitis media	18	4	22
Cerumen	14	.....	14
EYE.			
Iritis	23	.....	23
Conjunctivitis.....	48	67	115
Entropion	11	.....	11
Ulcer cornea .....	.....	3	3
Cataract	25	36	61

DISEASES.	Males.	Females.	Total.
VENEREAL.			
Gonorrhœa	38	3	41
Venereal warts	10	.....	10
Chancroids			
Phimosis	6	.....	6
Paraphimosis	2	.....	2
Bubo	18	6	24
Syphilis	34	18	52
DISEASES OF WOMEN.			
Dysmenorrhœa		27	27
Menorrhagia		12	12
Cancer uterus		7	7
Amenorrhœa		13	13
Total	3,311	2,105	5,416

In examining the above statistics it will be seen that the number of diseases exceeds the number of patients. This is due to the fact that many of our patients who suffer from chronic diseases and stay in the hospital constantly are liable to intercurrent diseases. Of the 252 in the hospital to-day, 25 per cent. have been there a year or longer; five have been there over four years. Of the 167 deaths, 105, or nearly 65 per cent. were from tuberculosis, senile debility, apoplexy, and heart disease.

It will be seen upon comparing this report with that of 1895, that the daily average, the number of deaths, and the number of out-patients have increased very considerably. This is due to the fact that all the inmates of the hospital at Rainsford Island were transferred to this hospital last winter.

The past year has seen two most important changes at this hospital, — the introduction of trained nursing and the appointment of a staff of visiting physicians. These are on the line of development on which we have been working for the past three years, and mark a long step in advance. This

hospital has not as yet filled the position in the community which we hope to see it take. As far as we have gone we have done good work. Such patients as we have had have been properly cared for. I think we can conscientiously say we have done our duty by them; but there is another side: no hospital is doing the best work of which it is capable, unless it is working for the benefit of the whole community as well as the individual patient. By this I mean it ought to be a factor as a medical educator, as an aid in the advancement of medical science, as a training ground for the largest possible number of individuals who, whether as physicians or nurses, will be enabled to benefit the community by means of knowledge acquired there. This hospital is now regarded by nearly every one as a hospital for the almshouse, yet nearly 75 per cent. of our patients come here directly from the city as such, — not as almshouse cases proper.

All almshouse hospitals for many years, perhaps not without reason, have been regarded by marked disfavor by the people. We must dispel this sentiment as far as this hospital is concerned before we can hope to accomplish all we desire. We have a fine plant, an able staff of visiting physicians, and a nursing force, which for the intelligence and earnestness of its members will compare favorably with any like body. We have our limitations due to our situation, our finances, and the self-evident scope of such a hospital. What we want is to have as many persons as possible visit the hospital, — medical men, persons who work among the poor, and others, that they may know the place as it really is, that they may conscientiously recommend this hospital when they know of a proper case.

The members of the visiting staff were appointed at different times during the summer and fall. No words of commendation from me as to their ability are necessary. Their standing in the profession is too well known. We were fortunate in securing such good men and the hospital is to be congratulated upon having their services. I want to say at this point that if we are to make this hospital what it ought to be, it is absolutely necessary that we make some better provision than is now possible with the steamer "Bradlee" for getting our medical men and patients to and from the island. Under the present arrangements the physicians have either to leave home at 6 A.M., getting back at 11 A.M., or leave at 1.30 P.M., and get back at about 6.30 P.M. for the sake of an hour at the hospital. Daily visits under such circumstances are out of the question; weekly visits are all we can hope for; once a fortnight all we should demand. The visiting staff consists of Dr. Abner

Post, Dr. James J. Minot, Dr. Eugene Crockett, Dr. Edward W. Taylor, and Dr. William T. Councilman.

August 1st the following prospectus was sent to nearly one thousand medical men in Massachusetts and to a few in the other New England States :

BOSTON ALMSHOUSE AND HOSPITAL.

TRAINING SCHOOL FOR NURSE ATTENDANTS.

Long Island, Boston.

This Training School is established to give a systematic course of training and practice to women in the care of chronic invalids, and to fit them as trained attendants for any class of cases.

The school is connected with the Boston Almshouse and Hospital, which is located on one of the most beautiful and salubrious of the many islands of Boston Harbor. The Hospital building is new and modern in all its appointments and contains over three hundred beds, most of them occupied by chronic invalids.

The Superintendent of the Almshouse and Hospital has the general supervision of all matters relating to the school. The Superintendent of Nurses has the immediate charge of all the nursing in the Hospital of all persons employed in the wards, and also the instruction and management of the pupils in the Training School.

The course requires one year and includes general medical, minor surgical, maternity, and infant nursing.

Instruction is given by means of lectures, recitations on the same and from text-books, and teaching at the bedside in the regular performance of duties.

The instruction includes the general care of the sick, the making of beds, changing bed and body linen, managing of helpless patients in bed, etc. ; giving baths, keeping patients warm or cool, prevention and dressing of bed-sores ; the making and applying of bandages, applying of fomentations and poultices and minor dressings, cupping, the administration of enemias, and use of the female catheter. The pupils are also given lessons in massage. Maternity nursing is taught by practice in the confinement room, which includes digital examination of patients ; instruction is also given the pupils as to how to act in the various emergencies which arise in child-bed. Pupils are taught how to cook and serve food for the sick in a proper manner, the feeding of helpless patients, and the feeding and preparation of food for infants.

Instruction is also given in the best practical methods of supplying fresh air, of warming and ventilating sick rooms in a proper manner, and the way to take care of sick rooms for the best good and comfort of the patient ; in keeping all utensils and appliances perfectly clean and disinfected ; in making accurate observations of the pulse, temperature, respiration, expectorations, the secretions and state of the skin, of mental conditions as to delirium, dementia, etc. ; of the condition as to sleep, appetite, effects of diet or of stimulants and medicines ; and in the managing of cases of senility and senile dementia. Pupils are taught the administering of medicines and the application of external remedies, how to take notes on cases, the making up of a nurse's record and the reports to the attending physician.

Pupils are given three months' training in the maternity and nursery wards, three months in the surgical wards, and the remainder of the time in such wards as the Superintendent may appoint.

A course in ward management, hospital housekeeping, and minor administration, in addition to the foregoing, is open to graduate nurses

from any organized training school. As they will be expected to teach, as far as required, the pupils in the wards, twenty-five dollars (\$25) per month will be allowed them. Six months is required for this course.

Candidates will be received between the ages of twenty-three and forty years. They must be of sound health. They should send a brief personal history, and give the names and addresses of responsible persons not of their own kin who know their good character and capabilities. Upon the recommendation of the Superintendent and the approval of the Institutions Commissioner they will be received for one month on probation.

At the end of the first month, candidates, if considered satisfactory to the authorities in charge of the hospital, are permitted to join the school upon signing an agreement to complete the prescribed course of one year, and to conform to all rules.

The right is reserved by the authorities of the hospital to terminate, at any time, the connection of any pupil for inefficiency, misconduct, generally unsatisfactory record, or for any other reason which may be deemed sufficient.

While the education and training which are afforded are intended to be a full equivalent for their services, there is given the pupils, toward defraying their necessary personal expenses, ten dollars per month during the first six months, and twelve per month for the remaining six.

If they successfully fulfil the requirements for the full term of twelve months, and pass the necessary examinations, they will upon the termination of their service receive a diploma from the hospital.

There are no fixed dates for the beginning of service, but accepted candidates may enter whenever vacancies occur.

Pupils are required to wear the Training School uniform after they join the school. Material for dresses will be sold at cost; caps are furnished free.

Hours of duty for day nurses are from 7 A.M. to 8 P.M.; for night nurses from 8 P.M. to 7 A.M. Each nurse on day duty is allowed one hour for rest and recitation, four hours on Sunday, and two days each month. Nurses on night duty are required to be in bed until 4 P.M. Nurses may be called upon for two months' regular night duty during the year's training.

Our object in opening a Training School of such a character will be best expressed, perhaps, by taking a few extracts from a personal letter I wrote to some of the doctors. "The authorities in charge of the Boston Almshouse and Hospital, believing that there is a field of usefulness and a demand for trained attendants for the chronically sick and infirm, have established a training school for nurse attendants.

"Our object is to furnish physicians and the public with skilled attendants, trained especially in the care of chronic invalids, yet sufficiently trained to be capable of nursing almost any kind of case."

These reasons were of course auxiliary to the principal one, that of securing a higher grade of nursing in our hospital. From the numerous encouraging letters I have received in reply it would seem that these reasons appeared good to others also. The school was opened August 21 with

four pupil nurses and one graduate head nurse. To-day we have eighteen pupils, and five graduate head nurses. Applications are constantly coming in, so that it does not seem as though the school need fail for lack of pupils. Talks have been given, and recitations held, every week since August 26, by the superintendent of nurses. Lectures have been given weekly by the resident physician since October 7. Each member of the visiting staff will give at least one lecture during the course.

The material condition of the hospital is excellent. We have an abundance of ward supplies and clothing, the patients are comfortable, and the majority contented.

The greatest improvement, painting the wards, has been mentioned. Other minor improvements are: fly-screens on the new or east wing, put on last spring (they were on the west and centre wing before, so that now the entire hospital is screened); fences built across the courtyards to make the yards more available; furnishing a bier to remove dead bodies from the wards; stoves have been placed in the diet kitchens recently, and the nurses will now be expected to prepare many of the special diets; a dining-room for nurses has been furnished in the centre wing head house, so that they are not obliged to go to the main building for their meals, as was formerly the case.

One change, which we made last March, but which has lost much of its importance from the opening of the Training School, was the introduction of female nurses into the male wards. The beneficial results of this experiment were at once apparent in the improved appearance of both the wards and patients, and we have never, so far, had any reason to regret having made the change.

I would recommend that a small laboratory be built in the basement of the administration building, and a more convenient autopsy room than we now have. The one we have does fairly well for summer time, but is too cold for winter use.

If we could have regular hospital beds, they would make it much easier for the nurses to handle the helpless patients, of which we have a large number. I would recommend the purchase of a new ambulance. Originally the present ambulance answered our purpose very well; to-day, it is inadequate for our needs.

In this connection I will ask you to consider the feasibility of having the "Bradlee," on her afternoon trip, coming directly from the city to this island. There is hardly a day that there is not an ambulance case on board, — patients from other hospitals transferred to ours, or taken directly from

their homes. It is also a matter of daily occurrence that the boat is detained at Deer Island for a long time unloading freight. It seems to me that any arrangement that could be made by which the stay of the patients on the boat, especially during the winter months, when the water is rough, would be shortened, would be very desirable.

There has been but one change in the hospital staff. Dr. A. C. Leach resigned as second assistant physician on March 9, and Dr. Paul Carson was appointed to fill the vacancy.

I wish to take this opportunity to acknowledge the hearty coöperation of the different heads of departments, and all other employees in our work during the past year.

Very respectfully,

C. H. COGSWELL, M.D.,
Resident Physician.

CHAPLAIN'S REPORT.

JANUARY 31, 1896.

CHARLES H. COGSWELL, M.D., *Superintendent of the Boston Almshouse and Hospital, at Long Island.*

DEAR SIR: I respectfully submit to you my first annual report as Chaplain and Director of Music at Long Island.

This is the fourth year that I have conducted religious services at the Home for Paupers; but this is the first report of my work to the Superintendent.

Services of a religious nature have been faithfully performed on Sunday throughout the past year and the spiritual needs of all have been cared for tenderly. Funeral services have been held when needed, and baptismal rites administered when called upon.

Attendance at divine worship has been good, and the close attention inspires us with hope that their hearts are helped and encouraged. Most of our hearers are aged and some far advanced in years, and to feel that these derive comfort from the services is pleasing indeed.

The material condition of the inmates as well as their spiritual wants have my attention, and I am glad to know there is faithfulness on the part of the management to make all comfortable. This is as it should be, for many come to spend their declining years, with attending infirmities; while a few recover their health and courage and go out to fight the battle of life once again.

In our service of worship we are aided by Mr. Thomas and wife, who are fine singers, and listened to with pleasure. We are greatly assisted by Mrs. M. J. Maginnis, who is very kind in word and deed to the inmates. Mrs. Maginnis has visited the home at Long Island many years and is favorably known as a friend to the helpless.

Allow me to acknowledge your kindly coöperation in my work.

Respectfully,

W. B. TOULMIN,
Chaplain and Director of Music.

HOUSE OF REFORMATION, RAINSFORD
ISLAND.

BOSTON HARBOR, January 31, 1896.

A. B. HEATH, M.D., *Institutions Commissioner*:

DEAR SIR: I respectfully submit the annual report of this institution for the year ending January 31, 1896.

This has been a year of radical and important changes in this institution. For many years the removal of the House of Reformation from Deer Island was in contemplation by the commissioners, and was accomplished by an order of the City Council under date of April 1, 1895. Some delay was necessitated in the removal by preparing the buildings here for the reception of the boys, and they were not removed until May 17, 1895.

It becomes my duty to note a very sad event as a part of our year's history. When the boys were removed to their present home, they were given in charge of Gen. M. T. Donohoe as Superintendent. He received them on Saturday, May 17, and the following day he was stricken down with paralysis, and died one week later. He had been connected with the Department of Public Institutions for many years as Secretary of the Board of Commissioners, and by his marked ability and uniform courtesy had won the esteem of all with whom he associated. His bereaved family mourn the loss of a kind husband and father, and the city of Boston lost a valued official.

The advantages of this location for a boys' school over their old quarters on Deer Island must be apparent to all. We are rid of the contaminating influences of a penal institution with which we were surrounded on Deer Island; and instead of the boys being confined within a small yard they have the liberty of the whole island, and can be taught self-reliance and be inspired with confidence, by being trusted to perform certain kinds of out-door work without being constantly under the surveillance of an officer.

SCHOOLS.

The schools are under the care of Mr. Henry C. Twitchell as principal and Mr. James S. Freeman as assistant teacher.

They are earnest, conscientious workers in the school-rooms and labor faithfully to inspire their pupils with a genuine love of knowledge and for their intellectual and moral advancement. The results of their efforts fully attest to their ability as instructors.

The report of the Superintendent of Schools is appended.

MANUAL TRAINING.

The introduction of industrial training into this school was a step in the right direction, and places us, as an institution, in the position we should have occupied long ago among the first-class institutions of the country. The inculcation of habits of industry and a genuine love for honest labor and toil, by teaching the boys some trade by which a livelihood may be earned in after years, forms the most important part of our work. To confine a boy in a reformatory institution for a term of years, and then release him with no other knowledge than that which he has been able to derive from books, we cannot expect him to successfully fight the battle of life. Instead of graduating him to honest citizenship, we turn him on the cold world to become, in a short time, an inmate of some penal or charitable institution.

Heretofore the only industry taught in this institution was printing, which is still carried on under the same instructor, Mr. Louis Keenan. The boys assigned to this department receive a regular course of instruction in all the branches pertaining to the business, and are competent to work at the trade when released. Several during the past year have been paroled and placed in positions in the city, and are doing well.

The printing for the commissioners' office and for the several institutions in the department is done here.

September 1st the Sloyd system of manual training in carpentry was introduced, and two classes of twelve boys each were established and placed under the tuition of Mr. H. M. Thompson, an experienced and thoroughly competent instructor. The boys manifest much interest in their work and the progress made far exceeds our expectations. In addition to the regular course of model making, they are taught to assist in the general repairs about the institution building.

November 1st a shoe shop was fitted up, and a class of fifteen boys was placed under Mr. C. L. Hayden, as instructor, and are being taught to manufacture and repair shoes. We are now able to do all our own repairing and are wearing shoes of our own manufacture. We hope soon to in-

crease our production and be able to furnish shoes to other institutions of the department which use our line of manufacture.

We have recently organized a brass band of twenty pieces, which is instructed by Mr. George Wilson, bandmaster. The boys are making rapid progress in their music, and we consider this one of our best reformatory measures. Mr. Wilson also acts as military instructor, and the boys all receive daily practice in the "setting up exercises" as taught in the Infantry Drill Regulations, U.S.A., and in the school of the soldier, and in the manual of arms.

HEALTH.

The general health of the boys has been very good. We have had one case of carbuncle of the groin, and one of compound fracture of the arm, which occurred five months previous to the commitment of the boy. With the above exception, no sickness of any note has appeared, a fact somewhat remarkable, considering the number of boys cared for, and attributable to the quantity and quality of the diet, healthful air, out-door exercise, and the sanitary condition of the institution.

MERIT SYSTEM.

The introduction of a marking system for the discipline and government of the boys is an entirely new feature in this institution. By this system a boy is required to earn a certain number of merits before he is eligible to parole from the school. The beneficial results of the system are many. To warrant a perfect success of the plan, it is imperative that its provisions regarding release upon probation be strictly followed. One of the most pleasing results of the system is the fact that we are able to reduce the corporal punishments to a minimum.

RELIGIOUS SERVICES.

The religious services have been conducted by Rev. Mr. Toulmin, Chaplain, and Rev. Fathers Casey and McQuillen. Father Hamilton, of St. Mary's Church, Boston, has visited us regularly, and attended to the confessions of the Catholic boys. Sunday schools have been conducted weekly by a corps of ladies from Boston for the Catholic boys, and by Mrs. Perkins for the Protestants. These ladies have our thanks for their manifest interest in the work.

READING MATTER.

The school is well supplied with reading matter, receiving books from the Boston Public Library and from other sources. Suitable weekly and monthly periodicals are provided, and are appreciated by the boys.

GARDEN AND ORCHARD PRODUCTS.

The yield of vegetables from the garden was abundant, considering the acreage under cultivation. The labor of preparing the land, seeding, caring for, and harvesting the crops, was all performed by the boys. They raised 3,000 heads of cabbage, 40 bushels tomatoes, 10 bushels cucumbers, 15 bushels carrots, 10 bushels parsnips, 10 bushels table beets, 10 bushels sugar beets, 15 bushels turnips, 10 bushels string beans, 10 bushels peas, 20 bushels sweet corn, and 2 tons mangel beets, and 2 tons squashes. The orchard produced 22 barrels of apples and 3 bushels of pears. We cut three tons of hay, and slaughtered 1,437 pounds of pork.

IMPROVEMENTS.

I respectfully call your attention to the necessity of better facilities for lighting this institution. We are now using common oil lamps, which afford an insufficient amount of light, and danger from fire is constant. I would respectfully recommend that an appropriation be made for an electric plant as soon as practicable.

Our supply of water has been furnished by the steamer "J. Putnam Bradlee," and the supply is sometimes limited. This difficulty will soon be remedied, as a new four-inch water-pipe is now being laid between Long Island and this place, and when completed will furnish abundance for all purposes.

By a reference to the accompanying statistics it will be seen that the number of boys has increased, during the fiscal year, from 66 to 108, an increase of $63\frac{7}{11}$ per cent. It is reasonable to expect a like increase during the coming year. In view of the above fact it is apparent that our accommodations will soon become limited. The institution building, having been constructed for an almshouse, is ill adapted to the requirements of a reformatory. The lavatory and bath-rooms are too small for the accommodation of the present number of boys. The rooms used for school-rooms are not of proper shape and appointment. I would respectfully recommend that the cottage system be adopted, and cottages be erected sufficient in size for the accommodation of forty boys each,

and the main building now used for schools and dormitories be converted into work shops for the industrial classes. By the adoption of the cottage system, a complete classification of the boys could be accomplished, which is indispensable in an institution of this kind.

STATISTICS.

Remaining January 31, 1895	66
Committed	93
	<hr/>
	159
Discharged	51
	<hr/>
Remaining January 31, 1896	108

OFFENCES FOR WHICH COMMITTED.

Larceny	28
Larceny in a building	1
Larceny from a person	3
Breaking and entering	12
Breaking and entering and larceny	3
Breaking and entering and larceny and receiving stolen goods	1
Unlawful appropriation	3
Disturbing a school	2
Disturbing the peace	2
Defacing school-room	5
Malicious mischief	1
Throwing stones in a public street	1
Throwing snow-balls in a public street	1
Vagrancy	2
Burning a freight car	1
Maliciously breaking glass	3
Stubborn child	23
Assault and battery	1
	<hr/>
Total	93

Of the above 6 boys were returned from probation.

SENTENCES OF THOSE COMMITTED.

Minority	83
Non-payment of fines	10
	<hr/>
Total	93

CAUSES FOR DISCHARGES.

Pardoned	41
Fines paid	3
Expiration of sentence	7
	<hr/>
Total	51

NATIVITY OF THOSE COMMITTED.

Boston	54
Massachusetts	6
Connecticut	1
New Jersey	2
Maine	3
California	1
Ohio	1
Ireland	3
Italy	9
Russia	2
England	3
Scotland	2
Africa	1
Sweden	1
Newfoundland	1
Nova Scotia	2
New Brunswick	1
	<hr/>
Total	93

AGES OF THOSE COMMITTED.

8 years	4
9 "	3
10 "	4
11 "	11
12 "	15
13 "	20
14 "	18
15 "	13
16 "	4
17 "	1
	<hr/>
Total	93

In conclusion I desire to extend to you and to your assistant, Dr. E. W. Dwight, my thanks for your

manifest interest in this institution, and for your kindly advice and encouragement given us in our work during the year.

Respectfully submitted,

L. D. PERKINS,
Superintendent.

HOUSE OF REFORMATION, RAINSFORD ISLAND,
January 31, 1896.

L. D. PERKINS, ESQ., *Superintendent of the House of Reformation:*

DEAR SIR: I beg to herewith submit my first annual report as Chaplain and Superintendent of Schools and Director of Music at Rainsford Island.

Religious services have been held regularly every Sunday and a Sabbath school conducted for the boys, which they not only greatly enjoy, but is attended with good results.

In this work the sincere interest of Mrs. L. D. Perkins is of much value. The excellent singing in our service of worship is by the boys, who heartily enter into this feature.

Library. — This is well supplied with suitable books and papers adapted to youths, and all literature is carefully reviewed by the teachers before being given out. Most of the boys are fond of reading, and we regard this as an interesting fact of our work. The sources of supply of our reading matter are the City Library and Hospital Newspaper Society — to which institutions we tender our thanks.

The school session at Rainsford in 1895 was only about eight months, and when we consider the unsettlement incident to the removal there certainly has been pleasing progress made.

The merit system introduced by you is our first experience and promises good results, for it has its advantages in appealing to the honor and pride of the student, impressing him with the necessity of an effort to acquire an education.

The principal studies taught in these schools are reading, writing, spelling, arithmetic, geography, and grammar; and, as soon as possible, each boy is made acquainted with these branches.

We have two schools supplied with faithful and efficient instructors, — Mr. Henry C. Twitchell, first division; Mr. James S. Freeman, second division.

Vocal music is taught outside school hours in the chapel

by the Chaplain, assisted by Mr. George Wilson as organist, who fills his position well.

	1st Div.	2d Div.	Total.
Number in school	62	48	110
Can read generally	62	38	100
Can read primary reader		9	9
Study geography	62	30	92
Penmanship	62	38	100
Grammar	15		15
History of United States	50	20	70
Mental arithmetic	62	48	110
Written arithmetic	50	20	70
Compound numbers	15		15
Fractions	20	10	30
Vocal music	62	48	110

Allow me acknowledge your kind assistance in all my work.

W. B. TOULMIN,
*Chaplain and Superintendent of
 Schools and Director of Music.*

MARCELLA-STREET HOME.

BOSTON HIGHLANDS, January 31, 1896.

To the Commissioner of Institutions Department, City of Boston :

SIR : I respectfully submit the annual report of this institution for the year from January 31, 1895, to January 31, 1896.

There has this year been a thorough renovation of almost the entire building. Wall paper and carpets have been entirely removed. The ceilings, walls, and floors of the rooms, halls, and closets, excepting the basement and chapel, have been painted, stained, or grained. The plumbing has been overhauled and new modern toilet-rooms (with flush closets in place of the old ones, which were very unsanitary) have been provided for the children in the hospitals and downstairs. All necessary carpentering has been attended to. New floors and closets have been put in where needed. Wooden sinks have been replaced by soapstone ones. The woollen curtains of the hospitals have been removed and new ones that were not objectionable placed there. New curtains have also been placed in the chapel. The new white iron beds with brass ornaments, that have been furnished the hospitals, add much to the cheerfulness of the rooms. The barren look which formerly prevailed in the dining-rooms has disappeared. Stools have given way to nice comfortable chairs. Handsome crockery and silver-plate have taken the place of tin and iron. Napkins and rings also add a refining influence.

The new arrangement enables the children to serve themselves at the table.

I would respectfully suggest one or two improvements that seem to be needed.

The dormitories are thoroughly aired and flooded with sunshine all day, but there is needed some method other than by the windows for use at night. Modern toilet-rooms are needed in the boys' dormitories. There is also needed more dormitory room in order that the children may be better classified at night. This might be secured if a hospital, separate from the institution, were built, for then the hospital

wards could be used as infirmary dormitories for the children that need special care.

¹ The number of inmates during the year has been the largest the institution has ever sheltered. The largest number at any one time was 505 in January, 1896; the smallest 442, in September, 1895; daily average, 446. We have boarded a daily average of 128, leaving in the institution a daily average of 318.

The number of children admitted since the opening of the institution, April, 1877, is 4,883.

Number remaining January 31, 1895:

Neglected boys	.	.	.	.	.	.	69
Pauper	"	.	.	.	.	.	209
Neglected girls	.	.	.	.	.	.	23
Pauper	"	.	.	.	.	.	145
						—	446

Number received from January 31, 1895, to January 31, 1896:

Neglected boys	.	.	.	.	.	.	74
Pauper	"	.	.	.	.	.	135
Neglected girls	.	.	.	.	.	.	18
Pauper	"	.	.	.	.	.	97
						—	324

Number in the Institution during the year 770

Number discharged from January 31, 1895, to January 31, 1896:

Neglected boys	.	.	.	.	.	.	25
Pauper	"	.	.	.	.	.	117
Neglected girls	.	.	.	.	.	.	13
Pauper	"	.	.	.	.	.	113
						—	268

Number remaining January 31, 1896:

Neglected boys	.	.	.	.	.	.	118
Pauper	"	.	.	.	.	.	227
Neglected girls	.	.	.	.	.	.	28
Pauper	"	.	.	.	.	.	129
						—	502

¹ This great increase in the number of children we have cared for is caused by the transfer of sixty-two boys and two girls from the Parental School to this Home, to relieve the overcrowded condition there.

Highest number during the year	505
Lowest number during the year	422
Daily average during the year	318

Of those received into the institution during the year thirty per cent. were between the ages of eleven and fourteen, fifty per cent. were from four to ten, and twenty per cent. were under four years of age.

The following table shows to whom the children were discharged this year :

To friends	160
To homes furnished by agent	100
To agent S.P.C.C.	3
Died	5
<hr/>	
Total number of discharges	268

HEALTH.

The general health of the inmates has been good. There have been no cases of ophthalmia during the year. The epidemics of chicken-pox and mumps were the only ones, and the children who took these had them very light.

The excellent health of the inmates is due, in great measure, to the improved sanitary conditions of the building and the quantity and quality of the food, and plenty of out-of-door exercise.

There have been five deaths during the year. Four of these children were received into the institution in a diseased condition and were boarding in the country. The fifth death was that of a little girl, seven years of age, and was the only death in the building.

This is certainly a low death rate when considering the number cared for during the year.

EDUCATIONAL.

Schools.

The regular class work in the school, under the skilful management of sympathetic teachers, leaves little to criticize.

The attempt to enlighten and uplift the class of children in our schools is certainly a great strain upon the teachers.

As the report of the school work will be presented by the principal, I will only mention the sewing school, for the running expenses of which the home is indebted to Mrs.

Quincy A. Shaw. The sewing teachers, Misses Kate A. Clare and Ella L. Thomas, have continued their excellent work. This instruction given the children when young will undoubtedly be of value to them all through life.

Industrial.

For the girls, sewing-machine work on their own clothing continues to be taught. We have this year made an addition to this department by the introduction of basket making by the boys. This department is under a competent instructor and has already proved a success. To the dull boys that make discouraging progress in the regular school work, this shop work has been of especial advantage.

I suggest that this industrial work be broadened to admit of some other branches. I realize that this could not be done with our present accommodations, but with some outlay all the branches usually taught in such an institution as this could be introduced. In looking over former reports of this institution I notice that the erection of a building to be used for industrial purposes has been recommended, and I heartily coincide with these former reports, and I hope steps may soon be taken to carry out the ideas which have been previously expressed. The institution already owns an abundance of land that could be used for said purpose.

Library and Reading-room.

The library contains six hundred and fifty volumes, seventy-five having been added during the year. These books are instructive and pleasing. I suggest that some money be expended to purchase more juvenile books. Suitable weekly and monthly magazines are furnished the reading-room.

Religious Services.

The religious services have been conducted for the Catholics by Fathers Fullerton and J. H. Roche; for the Protestants by Rev. D. W. Waldron, city missionary, sent by the Congregationalists.

COUNTRY HOMES.

The agent, Mr. John E. McCarthy, has placed 51 boys and 49 girls in homes during the year; total 100 children.

Thirteen of these hundred had returned here from former trials and only five others of the one hundred have been returned here this year. It is remarkable that out of so many of the class of children we have, so few have returned

here, and this shows great judgment and diligent work on his part. During his regular visits to these children he finds nearly all of his charges satisfied with their homes and doing nicely in them.

BAKERY.

Loaves of Bread Baked during the Year.

63,920 loaves of bread baked during the year.
 45,350 loaves for Marcella-street Home, weighing 113,375 lbs.
 18,570 loaves for Charlestown Almshouse, " 46,425 "
 1,800 rolls baked for Marcella-street Home.

Ginger Cookies Baked.

37,300 cookies for Marcella-street Home.
 3,780 cookies for Charlestown Almshouse.
 581 barrels of flour have been used for the above food.
 This year sugar cookies have been furnished half the time rather than molasses cookies all the time. This change costs a little more but makes a variety for the children.

BOARDING.

The statistics will show that quite a number of the inmates have been boarded at farms all the year. This no doubt greatly assists the agent in securing homes for these children. A more extended account of this branch will be found in the report of the Nursery Department, as it was for this department that the plan was inaugurated. We have boarded them in very comfortable places, and no child placed where the few dollars maintenance money was apparently the only object in taking the child.

The great advantage to the child of growing up in a good family cannot be overestimated.

EXPENSES.

The expenses of the institution have been \$52,346.78 or \$3.15 weekly net cost per capita for the year. In making up this average cost the expenses of those in the institution only have been considered, plus the expenses of clothing and medicine furnished those boarding out, the expense of those boarding having been paid out of Pauper Expenses.

ENTERTAINMENTS.

The children have been furnished entertainments as usual on holidays. Mrs. Quincy A. Shaw and Mrs. George G.

Lovell continue to show greatness of heart by their personal interest in the education and happiness of the children.

There is also a band of noble young ladies to whom sincere thanks are due and heartily extended for giving freely of their time and loving interest, for the purpose of brightening and bringing variety into the lives of our children.

The responsibilities in the superintendence of an institution like this are necessarily great, and the degree of success attained this year is partially due to the long and varied institution experience of the commissioner, Dr. A. B. Heath, who so kindly rendered his valuable services for the few months just before assuming office of commissioner, and who has ever since given all assistance in his power to better the management of this institution.

Great credit is due to him for his desire to keep the institution in perfect repair.

Dr. Dwight, assistant commissioner, renders assistance of great value owing to his long experience in hospital service.

Respectfully submitted,

WM. A. WHITE, M.D.,

Superintendent.

HOSPITAL REPORT.

DR. A. B. HEATH, *Commissioner of Institutions Department:*

DEAR SIR: I respectfully submit the report of the hospital of this institution. The following is a classified list of all the diseases and number of cases of each which were treated:

Diseases of the Respiratory Organs.

Pneumonia	12	Whooping-cough	4
Pleuritis	1	Hemorrhage	1
Bronchitis	8	La grippe	3

Diseases of the Digestive Organs.

Jaundice	2	Stomatitis	1
Diarrhoea	1	Tuberculosis of intes-	
Enteritis	1	tines	1

Diseases of the Nervous System.

Corea	1	Epileptic	1
Meningitis	2		

Fevers and General Diseases.

Mumps	45	Measles	1
Chicken-pox	30	Erysipelas	1
Febricula	7	Torticollis	1
Marasmus	1	Diphtheria	1
Scrofulosis	2	Rachitis	1

Skin Diseases.

Urticaria	2	Ringworm	1
Eczema	10	Leborrhœa	1
Scabies	5	Dermatitis	1
Lupus	2		

Diseases of the Throat.

Tonsilitis	5	Hypertrophy of ton-	
Tuberculosis laryn-		sils	1
gitis	1		

Diseases of the Ear.

Otitis media	24
------------------------	----

Diseases of the Eye.

Ulcér of cornea	4	Lucoma	2
Granular lids	1	Keratitis	3
Conjunctivitis	10	Iritis	1
Cataract operation	1	Hordeolum	2
Blepharitis	5	Meibomiancyst	1

Diseases of the Heart.

Congenital heart disease	1
------------------------------------	---

Surgical.

Wounds	6	Colles' fracture of left radius	1
Burns	1	Fracture of left thigh	1
Scald	1	Spinal curvature	2
Abscesses	11	Septic periostitis	1
Cellulitis	2	Furunculosis	1
Septic Paronychia	1		

Unclassified.

Vaccinations	26
Teeth cleaned	61
“ filled	15
“ extracted	36
Admitted for observation	324

The number of children remaining in the hospital this day is 31, with the following-named diseases :

Chicken-pox	6	Chronic otitis media	12
Lupus	2	Eczema-capitis	6
Iritis	1	Blepharitis	2
Tuberculosis laryngitis	1	Keratitis	1

It is with pleasure that I announce that a board of visiting physicians has been appointed for this institution, and I shall expect to see in the future great good resulting therefrom.

Dr. E. E. Thorp I wish to mention particularly for his kindness and faithfulness in caring for eye cases. He was in attendance long before the appointment of the board, and

continues to come with his associate, Dr. Tenney. The visiting staff consists of Dr. M. F. Gavin, D. J. E. Goldthwaite, Dr. John Dane, Dr. Edward E. Thorpe, and Dr. John A. Tenney.

There has been but one death in the schools. These good results are due in great measure to faithful nursing.

The institution needs a hospital building separate from the institution.

Respectfully submitted,

WILLIAM A. WHITE, M.D.,
Physician.

TEACHER'S REPORT.

BOSTON HIGHLANDS, January 31, 1895.

To WM. A. WHITE, M.D., *Superintendent*:

DEAR SIR: The report of the schools of this institution for the year just ended is herewith respectfully submitted.

The work done during the year has been excellent and practical. Every teacher has labored industrially with her charges.

A long cherished idea of Commissioner A. B. Heath has at last borne fruit and we now have a trade-school for the purpose of instruction in basket working. Mr. Hermann Mohle is in charge of the class, which is composed of forty-four boys.

There are now two classes of girls and five classes of boys in this school as well as a kindergarten for both sexes, and which is still under the patronage of Mrs. Quincy Shaw.

You will see by reference to my last report that we have one more boys' class this year than we had last year. This increase is the result of an unusual influx of boys which has not been responded to by a proportionate reflux. The extra class has been placed under the guidance of Miss Mattie M. Clough.

The absence of contagion of any kind in the schools is the secret of the very fine daily attendance we have had during the year.

The usual statistics:

Pupils remaining January 31, 1895	.	.	.	329
Pupil admitted during the year	.	.	.	225
Total number of pupils taught	.	.	.	554
Pupils remaining January 31, 1896	.	.	.	362
“ discharged during the year	.	.	.	192

Not included in the above figures we have pupils in other institutions as follows:

Deaf and Dumb Asylum, Hartford, Conn.	.	.	1
Perkins Institution for the Blind	.	.	3

The average age of children taught during the year has been nine (9) years.

Respectfully submitted,

JOSEPH C. DRUM,
Principal.

NURSERY.

DR. A. B. HEATH, *Commissioner of Institutions Department*:

DEAR SIR : I respectfully submit the following report of the Nursery Department of this institution :

Number remaining January 31, 1895	66
“ admitted from January 31, 1895, to January 31, 1896	63
“ discharged from January 31, 1895, to January 31, 1896	67
“ died from January 31, 1895, to January 31, 1896	4
“ cared for from January 31, 1895, to January 31, 1896	129
“ remaining January 31, 1896	62

Ages of those admitted :

Under six months	2
Between 6 months and 12 months	7
“ 12 “ “ 18 “	8
“ 18 “ “ 24 “	11
“ 24 “ “ 36 “	19
“ 36 “ “ 48 “	16
	—
	63

There have been four deaths in the Nursery during the year, as shown by the table below :

Cause of death.	Age of child.
Capillary bronchitis	9 months.
Tuberculosis meningitis	20 “
Meningitis	39 “
Shock	40 “

The first child was received in the Nursery Department September 2, 1885 :

	Received.	Cared for.	Died.	Death-rate.
Between Sept. 2, 1885, and Dec. 31, 1885....	46	46	1	2.1
“ Dec. 31, 1885, “ “ 1886....	122	157	31	19.7
“ “ 1886, “ “ 1887....	98	180	24	13.3
“ “ 1887, “ “ 1888....	118	210	10	4.7
“ “ 1888, “ “ 1889....	96	182	7	3.8
“ “ 1889, “ “ 1890....	82	173	3	1.7
“ “ 1890, “ “ 1891....	108	185	9	4.8
“ “ 1891, “ Jan. 31, 1893....	106	175	9	5.1
“ Jan. 31, 1893, “ “ 1894....	74	129	6	4.6
“ “ 1894, “ “ 1895....	101	153	6	3.9
“ “ 1895, “ “ 1896....	63	129	4	3.1

We continue, as in former years, to board them out, and with the happiest results. This is the only proper method of caring for infants. It insures individual care, and country air and food. I have kept in the Nursery building such cases only as required medical treatment. Great care is used in the selection of boarding-places, and not more than two infants are placed in one family. The babies are often visited, and are retained in such places as can furnish them the very best care.

Respectfully submitted,

WM. A. WHITE, M.D.,
Superintendent.

ALMSHOUSE.

CHARLESTOWN DISTRICT,
BOSTON, January 31, 1896.

To the Institutions Commissioner:

DEAR SIR: I herewith submit the annual report for the year ending January 31, 1896.

Number remaining January 31, 1895 :

Males	59
Females	102
Total	161

Admitted from February 1, 1895, to January 31, 1896 :

Males	58
Females	50
Total	108

Discharged from February 1, 1895, to January 31, 1896 :

Males	60
Females	45
Total	105

Remaining January 31, 1896 :

Males	54
Females	106
Total	160

Largest number during the year	164
Smallest " " " "	135
Average " " " "	151

Number of deaths during the year :

Males	7
Females	3
Total	10

Average age of decedents, 76 years 6 months.

The general health of the inmates has been remarkably good ; none other than chronic cases have been treated here. You will readily see by the ages of those deceased that the greater number are from senility.

Dr. R. W. Sprague, who has attended the sick for so many years, still continues his services with his usual care and success. You will find his report annexed.

The matrons and assistants are faithful and attentive to their duties under many trying circumstances; and much credit is due them.

The garden has been enlarged and improved, and now furnishes a good variety of choice vegetables, which add very much to the quality and variety of the food furnished the inmates, and I think has much to do with the general good health of all.

The long shed on the north-westerly part of the premises, used as a repair-shop and for the storage of wood and coal, has been resingled on the roof and on the walls with the exception of a part of the rear wall facing the Mystic river ; new sills, windows, and frames have been put in, besides the necessary repairs.

The old water-closets on the ground floor of the main building were removed and modern automatic closets have been substituted.

The piazza at the south-west end of the institution has been removed, and a large and airy sun room, sixteen by sixty feet, with windows opening upon three sides, built of brick with metallic roof, with steam heat and gas fixtures complete, put in the place. This much-needed improvement not only furnishes a good sitting-room for the inmates, but also gives them room for entertainments. The room formerly used for the men's sitting-room has been turned into an infirmary. I would respectfully recommend that a similar addition be built at the north-east end the coming summer for the use of the females.

An ice room should also be provided for, under the same roof. This could be done at a cost of less than one thousand dollars, by utilizing the labor of the most robust of the inmates. Some slight repairs should also be done upon the barn and fences, which can be done at the cost of material.

Religious services have been held as usual. Those of the Catholic faith have been permitted to attend St. Francis de Sales Church, on Bunker Hill street.

Entertainments have been given upon Thanksgiving and Christmas, at the expense of the Department, while private individuals have contributed to our enjoyment upon other occasions.

Books, papers, etc., have been sent by the Hospital News Society. The Flower Mission have not forgotten us, and kind friends do not seem to be wanting to contribute to our enjoyment, for all of which I know that I do not possess the power to express the grateful feelings of many charges, who feel that there has been much done for them in many ways.

In closing allow me to express to you, and to your assistants my sincere thanks for your advice and hearty coöperation in assisting me in my efforts to make the life of the deserving poor in my charge a little brighter, and their path to the grave a little smoother than perhaps it otherwise might be.

I remain, very respectfully,

CHANDLER EASTMAN,
Superintendent.

PHYSICIAN'S REPORT.

BOSTON, January 31, 1896.

TO CHANDLER EASTMAN, *Superintendent Charlestown Almshouse:*

SIR: As visiting physician to the institution under your charge, I submit the following report for the year ending January 31, 1896:

We have been especially favored by immunity from contagious diseases and epidemics. The sick calls were principally for numerous minor ailments, although chronic cases, as in previous years, such as cancer, phthisis, ulcers, heart, rheumatism, necrosis, etc., demanded considerable attention.

The hospital diet has been greatly improved by the addition of a variety of luxuries, much to the satisfaction and appreciation of the patients, credit for which is due to the Commissioner, Dr. Heath.

The deaths have been — males, 7; females, 3; and classified as follows: senility, 3; apoplexy, 2; chronic bronchitis, 1; phthisis, 1; total, 10; average age of decedents, 76+.

To you and Mrs. Eastman, to whom I am indebted for many courtesies, and also to the matrons for their kindness and attention to the sick, I desire to express my thanks.

Respectfully,

R. W. SPRAGUE, M.D.

Visiting Physician.

PARENTAL SCHOOL.

WEST ROXBURY.

*To the Institutions Commissioner, No. 14 Beacon street,
Boston:*

SIR: The following is my first report of the Parental School. I took charge of the school March 25, 1895. The grounds were in bad condition as nothing had been done to improve them or keep them in proper order for several years. We have pruned trees and cleared bushes from land, which has made some change in the general appearance of the place, but have a great deal more to do in the same line to bring it up to the standard.

The garden furnished us all the vegetables needed for summer and fall use. We cut twelve tons of hay. The fruit crop was very light owing to neglect of trees. The grading in front of the engine-room has been completed and adds very much to the appearance of the grounds. The buildings have all been repaired, painted, and furnished, so that the present buildings are in good order.

Owing to a defect in the sewer the school was not opened for boys until August, 1895. The first boy was committed September 11, 1895. We have received to date, 140 boys. The school can accommodate 60 boys; 62 boys and 2 girls have been transferred to the Marcella-street Home until our new buildings are completed. We have already boys enough to fill the two new buildings being constructed and two more the same size. Each family building ought not to accommodate more than 40 boys. Accommodations are needed in the near future for 250 boys, if we judge by the way the boys are being committed.

The health of the boys has been good. We have not had a boy confined to the hospital up to the present time. The fresh air, regular habits, proper food and clothing seem to be about all they need for health.

I find the truant boys very bright and smart. The great trouble with them is dislike for school.

The holidays have been properly observed. The boys had a Christmas tree in the school-room, which was well filled with presents for each boy.

Five boys have been sent home — 1, time expired; 4 released on probation.

We need shops where boys can work in bad weather and during winter months.

The boys attend school five hours each day and assist in all departments in domestic work.

We have religious services every Sunday by different clergymen in the vicinity.

We have been favored by two entertainments, which were highly appreciated by the boys and officers. Professor Ward, of West Roxbury, and Messrs. Rice, Sise Cortten, and Brown, of Harvard University, have our thanks for the entertainments.

We have no fences to hold the boys, and have had but few attempts to escape.

Superintendent of Public Schools, Mr. Edwin P. Seaver, has taken a great interest in this school. We need all the help we can get to make the school what it should be.

The officers have been faithful and efficient and I appreciate their services.

We need a library of suitable books and papers for the boys to read.

The boys have been committed as follows: In September, 35; October, 48; November, 27; December, 10; January, 20. For more definite information in regard to the school work and general health of the boys I respectfully refer you to the reports of the teacher, Miss Jennie Meserve, and Dr. Charles F. Moulton, the physician. I feel thankful to all who have been in charge of the school for the many favors received and good advice given, and particularly to you for the generous way in which you have supplied all our wants and for the good advice given from time to time.

Respectfully submitted.

M. J. PERKINS,

Superintendent.

TEACHER'S REPORT.

To the Superintendent of the Parental School:

The school being young, its history is brief, dating only from September 15, 1895.

During this time there have been 130 boys connected with it: the largest number at one time, 88; the average number, 60.

Although boys have come from the several grades of the primary and grammar, to suit the conditions some combin-

ing has been done, and now we have two classes, the fourth and fifth.

To many this fact would seem a hindrance; but as many of the boys have been placed forward by it, there is quite a feeling of stimulation and pride, which is certainly commendable.

From necessity, the development along the several lines of work has been in a different degree from that in the public school; but while placing reading, writing, and arithmetic first, much has been done in language, American history, geography, physiology, observation, and music.

As a rule, the boys are bright and interesting, and in their written recitations have shown considerable originality.

Observations of the weather, the season, and of the varying animal and vegetable life are taken each day, in which all have a part.

The boys enjoy learning memory gems and poems, which practice assists much in other work.

Sunday afternoons are devoted to quiet reading, singing, Bible study, and writing, and committing to memory verses and psalms.

The holidays have been observed by appropriate exercises in the school-room. These the boys have thoroughly enjoyed, and have shown much enthusiasm in preparing them.

Under the existing conditions we cannot work for the individual boy, but rather to secure the greatest good to the largest number. A few months will doubtless bring better accommodations, and so, closer classification and larger results.

We thank the superintendent and others who have assisted in making our work pleasant.

Very respectfully submitted,

JENNIE A. MESERVE,
Teacher.

PARENTAL SCHOOL, January, 1896.

PHYSICIAN'S REPORT.

Boston, January 31, 1896.

To DR. A. B. HEATH, *Institutions Commissioner*:

DEAR SIR: As visiting physician to the Parental School I respectfully submit the following report:

Since my appointment, October 9, 1895, I have visited the school daily and have found very little sickness. Most of the complaints have come from the boys when first admitted and have been in the form of skin affections, comprising eczema, ring-worm, chronic ulcers, and pediculi.

Two cases only have been confined to the bed for a few days, — one from tonsilitis and the other from chronic ulceration of the leg with periostitis, the latter suffering from his trouble when admitted to the school.

The good health of the school is due, I believe, to the wholesome food and out-door exercise, both of which the boys take a liberal allowance.

You certainly are to be congratulated on the plans of the hospital now under construction, which will meet all modern demands and give us a building at a moderate cost that will enable us to care for contagious and non-contagious cases in the best sanitary manner possible.

Respectfully,

C. F. MOULTON, M.D.

REPORT OF THE AGENT FOR DIS- CHARGED MALE PRISONERS AND MARCELLA-STREET HOME.

To the Institutions Commissioner:

DEAR SIR: I respectfully submit the annual report of this department for the year ending January 31, 1896.

The duties are to assist discharged prisoners, receive and record applications for pardons, investigate the homes of juvenile offenders whose parents or others apply for their release; find country homes for juvenile offenders whose own homes are undesirable; to find free and permanent homes for all children of the Marcella-Street Home who are candidates for such; and the visitation of the same while in the custody of the department.

In the performance of the above work the force consists of your agent with two male and one female assistants.

DISCHARGED PRISONERS.

Sixteen hundred and forty-five male prisoners, discharged from city institutions, have been aided during the year; 980 have been furnished meals and lodging while seeking employment or awaiting transportation to their homes; 44 with articles of clothing; 21 to gratuities of money; 430 to transportation to their homes, or to seek employment in different parts of this and other States, and 170 in various other ways.

Miss Sarah P. Burnham has aided some 875 women discharged from the House of Industry and House of Correction in the various forms of meals, lodging, and transportation to their homes or places of employment.

PARDONS.

An Act to revise the Charter of the City of Boston, Chapter 449, Acts of 1895, Section 16:

"The Institutions Commissioner shall have all the powers which are now possessed by the Board of Commissioners of Public Institutions, relative to the release of prisoners now confined in or hereafter committed to, any of the institutions under his charge, and to their return to such institutions, and all laws in relation to such discharge and return

shall apply in cases of any person released as aforesaid, provided, however, that no person shall be released without the approval of a justice of the court which imposed the sentence."

The above Act went into effect July 1, 1895.

Under the previous laws the commissioners had full power, without the approval of the court, to release persons from the House of Industry and House of Correction, sent there for minor offences, such as drunkenness, vagrancy, etc., and from the juvenile schools, for any offence.

The present law requires the applicant to petition the commissioner for release, setting forth good reasons for the application, with responsible signatures.

These papers are then referred by the commissioner to the judge of the court which imposed the sentence, and if the application is approved by the court, the commissioner will take such action as the circumstances of the case seem to demand.

Applications for the release of inmates from the various institutions under your care have been received during the year; these are classified in the following table:

	Applica- tions for Pardons.	Pardons granted on Probation.	Men.	Women.	Pardons Refused.
Jail	10	8	8	.....	2
House of Correction.....	177	97	81	16	80
House of Industry	1,905	1,486	1,304	182	419
			Boys.	Girls.	
House of Reformation...	45	42	42	.....	3
Parental School.....	22	16	16	.....	6
Marcella-St. Home } Neglected children }	17	6	3	3	11
Total	2,176	1,655	1,454	201	521

One thousand nine hundred and eighty-six of the applications from the House of Industry, House of Correction, and Jail, and which are included in the above table, were referred by your request to the judges of the Superior and

Municipal Courts, 1,583 of which were recommended by them and are classified in the following table :

COURTS.	Applications Referred.	Pardons Recommended.	Pardons not Recommended.
Central	967	795	172
South Boston.....	207	195	12
Charlestown.....	148	108	45
East Boston.....	130	102	28
Roxbury	316	238	78
Dorchester	76	65	11
Brighton	15	15	.....
West Roxbury.....	13	4	9
Chelsea	29	27	2
Superior	85	39	46
Total	1,986	1,583	403

HOUSE OF REFORMATION.

The commitments to this school are usually for minority, but occasionally boys are committed for non-payment of fine and cost, on terms of from thirty to ninety days.

Minority inmates are retained in the institution until it is thought advisable to release them on probation, the term of detention varying from one to three years. All applications from parents or relatives for release of inmates are investigated by the agency, and a report made on the character of the home or place proposed for them, and if proved undesirable they are found homes or employment elsewhere or placed on indenture in the country. By the terms of the commitment they are subject to recall for any violation of their probation, and it is required that they should be kept under strict supervision during the remainder of their sentence.

Owing to the limited force of the agency in past years, this portion of the work has heretofore been slighted ; but by the appointment in August last of an additional male agent, this long neglected and very important duty is now receiving the attention it requires.

The trustees of the Lyman School, at Westboro', have introduced the plan of boarding out in families, in the country towns, the younger boys of that school. I would also recommend the same system to be applied to inmates of this school. There were 9 boys of tender years, 10 and under, sent to the House of Reformation during the past year. I found on investigation that many of these young offenders were sentenced not so much for the offence committed as that the home influences and surroundings were of such a character that the removal of the boy was deemed necessary.

Boys of this class need the influences of a good home in some respectable family more than the discipline of a reform school.

By the adoption of this plan it would remove these younger and comparatively innocent children from contact with the older and more criminal ones.

HOMES FOR CHILDREN.

The work of seeking out families suitable and willing to receive children is carried on in connection with visits made to those previously placed out. Applications are also received at the office by letter or in person. Children whose parents are unsuitable to have the custody of them, or those who have no family ties, are eligible for indenture or adoption.

The correct family and good home is what we desire for our wards.

The number of children for whom free homes have been procured during the year: from the Marcella-Street Home, boys, 51; girls, 49; from the House of Reformation, boys, 10; total, 110.

BOARDING.

The boarding out of children in families, mostly in country towns, continues.

From the nursery department of the Marcella-Street Home 200 children have been boarded during the year. Monthly visits are made by the lady visitor, who reports on the health and general condition of each.

In addition to the above 60 others from the school department have been boarded.

The boarding out of dependent children is not only beneficial to them, but makes them more desirable, by family training, for indenture or adoption than institution-reared children.

During the year, 19 boys and 17 girls have been trans-

ferred from the boarding-out department to free and permanent homes.

All *defective* children, with the exception of those requiring hospital treatment, are boarded.

Experience shows the wonderful effect of free surroundings and country life on these unfortunates, and many of them in time become self-supporting.

In former years this class was forced to pass years at the Home, finally graduating to the Almshouse, where they remained public charges the remainder of their lives.

VISITATION.

There have been no changes made in the method of visitation during the year; every child who has been placed in a free and permanent home, by authority of the commissioner, has been visited at least twice, by agents of this department, and by local visitors quarterly.

The total number of children subject to visitation at the close of the year 1896 is 652: 510 in permanent homes, and 142 for whom board is paid; to the latter monthly visits are made.

Cases of dissatisfaction and complaints are constantly arising with the children placed out, and the families who have taken them. Inquiry into and adjustment of such cases is an every day duty; conference and advice often is sufficient to remove the difficulties. Sometimes change of place is necessary, and in extreme cases, return to the institution is made.

At the beginning of the year 1895 there were 461 children in free homes subject to visitation. Of this number there have passed from the control of the department, during the year, 61 children, as follows:

	Boys.	Girls.	Total.
Arrived at age	19	9	28
Indenture expired	3	2	5
Absconded, not yet found	7	1	8
Transferred to friends	5	4	9
Guardian appointed	1	1	2
Adopted	1	4	5
Married	1	2	3
Died	1	0	1
Total	38	23	61

Number of children placed in permanent homes during the year :

	Boys.	Girls.	Total.
From House of Reformation	10	0	10
“ Marcella-Street Home	51	49	100
Total		—	110

Total number at present in homes procured for them is as follows :

	Boys.	Girls.	Total.
House of Reformation	31	0	31
Marcella-Street Home	254	225	479
Children boarding	62	80	142
Total	347	305	652

LOCATION OF CHILDREN IN PERMANENT HOMES.

	Cities and Towns.	Children.
Massachusetts	112	305
New Hampshire	46	128
Maine	14	36
Vermont	10	18
Rhode Island	5	10
Connecticut	2	5
Other States	5	8
	194	510

CHILDREN BOARDING DURING THE YEAR.

	Cities and Towns.	Children.
Massachusetts	31	209
Other States	14	51
Total	45	260

Ages of children placed in permanent homes in the past year are as follows :

Over 1 year and under 3	12
“ 3 “ “ “ 6	17
“ 6 “ “ “ 10	33
“ 10 “ “ “ 12	25
“ 12 “ “ “ 16	23
Total	110

CONCLUSION.

Credit is due my assistants, who have been attentive and faithful in the discharge of their duties.

I am under obligation to many persons in the various towns where the children have been placed, who have kindly volunteered to visit and report from time to time on the health and condition of those in families.

I gratefully tender my thanks to you, Commissioner Heath, for the support and consideration it has been my fortune to receive at your hands, and for the interest you have at all times taken in the work in which I am engaged.

Respectfully,

JOHN E. McCARTHY,

Agent.

ANNUAL REPORT
OF THE
INSPECTION OF VESSELS AND BALLAST
DEPARTMENT
FOR THE YEAR 1895-6.

[DOCUMENT 15 — 1896.]

BOSTON, February 1, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In compliance with the ordinance relative to the Weighers and Inspectors of Vessels and Ballast, I herewith report that for the year ending January 31, 1896, we have weighed, marked and inspected four hundred and thirty-two (432) vessels; and their cargoes, delivered by them, amounted to forty-eight thousand one hundred and eighty-three (48,183) tons.

The fees amounted to twenty-four hundred and nine dollars and fifteen cents (\$2,409.15)	. \$2,409 15
Expenses of office for the year	100 06
	<hr/>
Net income	\$2,309 09

The net income has been divided by incumbents.

JOHN KENNY,

Weigher and Inspector-in-Chief.

ANNUAL REPORT
OF THE
LAMP DEPARTMENT,
FOR THE YEAR 1895.

[DOCUMENT 16 — 1896.]

BOSTON, February 1, 1896.

HON. JOSIAH QUINCY,

Mayor of the City of Boston:

SIR: In accordance with Sect. 22, Chap. 3, of the Revised Ordinances of 1892, I have the honor to submit for your consideration the annual report of the Lamp Department for the year 1895.

It contains a tabulated statement of the expenses of the department during the year 1895, tables showing the annual cost of burning the number of electric, gas, and naphtha lamps located within the city of Boston on the 15th of January last, at the present rates for material and lighting, tables showing the increase or decrease of the electric, gas, and naphtha lamps in the different sections of the city, and an abstract of the general work performed by the department during the past year; also an inventory of property belonging to the department not in use on the public streets, and such other information connected therewith as will be of public interest.

Under the provisions of Chap. 228, Acts of 1895, the first section of which reads as follows: "All poles and posts used for the transmission of electricity shall be insulated in such manner as to protect employees and other persons from accidents," I have experimented with several insulated poles, and tests have been made of the same, under the direction of the Commissioner of Wires, with the result that this department now has a pole in use that has met with the approval of the said Commissioner, as to its insulated qualities, as is required by section 2 of the above chapter, and has the approval of the City Engineer as to its structural properties.

Forty of these poles have been erected during the past year, and are giving satisfaction. All the old poles now in use must be removed, and new insulated poles substituted for the same, thus entailing a great expense to this department outside of the general expense for the year.

With the request to properly light the draw on Broadway bridge, a difficulty was met, with the fact that the overhead wires would interfere with the opening and closing of the draw; but, after considering the matter, a contrivance on which to place the arc lamp was planned by me, whereby the drawbridge was well lighted, and also the waterway, thus giving double service.

It is suggested that during the ensuing year the electric lamps on the Public Garden be rearranged and an underground cable be laid, and the lamps connected therewith, thus adding to the appearance of the Garden by the removal of all the overhead wires; and this would also be an extension of the system that is now in use on Boston Common.

Three gas routes were discontinued during the first part of the year on account of the removal of gas lamps, caused by the erection of electric lamps, and thus reducing the force of employees by three men. During the year a large number of unused lamp-posts and lamp-brackets have been removed, and it is desirable that the many still remaining on the various streets be removed at an early date, as they are an obstruction and menace to travel. Numerous requests have been received during the year from owners and occupants of property to have posts and brackets removed, and, as far as the department was able to, this work has been performed.

A large amount of new work by this department must be commenced on Blue Hill ave., Columbus ave., Huntington ave., Commonwealth ave., and Brighton ave. during the ensuing year, and a large number of the present lamps removed or relocated.

The demand for lamps on the new streets in the outlying wards has been very great, and more than the finances of the department would admit of granting. Petitions are constantly being received for additional lamps throughout these wards as well as other sections of the city.

GAS LIGHTING.

The following table shows the several companies which supply gas to the city, the candle power of the gas furnished,

the contract price paid for the same, and the net price paid by private consumers. The first five companies supply water gas, while coal gas is furnished by the other three :

	Public per M. feet.	Private per M. feet.	Candle power; average for year.
Brookline Gas Light Co., for south part of City Proper and part of Roxbury	\$0.70	\$1.00	26.7
*Brookline Gas Light Co., for Brighton,	1.25	1.00	26.7
Boston Gas Light Co., for City Proper,	0.90	1.00	24.3
*Roxbury Gas Light Co., for part of Roxbury district	1.08	1.00	24.1
*Dorchester Gas Light Co., for Dor- chester district	1.17	1.00	24.8
*South Boston Gas Light Co., for South Boston district	1.17	1.00	24.8
Jamaica Plain Gas Light Co., for West Roxbury district	1.50	1.65	18.3
East Boston Gas Co., for East Boston district	1.35	1.50	17.4
Charlestown Gas and Electric Co., for Charlestown district	1.25	1.25	18.6

A copy of the contract made with the Brookline Gas Light Company is set forth below :

The Brookline Gas Light Company, a corporation duly established under the laws of the Commonwealth of Massachusetts, of the first part, hereafter called the Contractor, and the City of Boston, a municipal corporation in said Commonwealth, of the second part, hereafter called the City, on this twenty-seventh day of February, 1893, agree :

First. That this agreement, in so far as it relates to the time of furnishing gas, shall take effect on the second day of July current, and continue, subject to appropriation, until the second day of July, in the year 1896, and thereafter, until the Superintendent of Lamps of said City shall, with the written approval of the Mayor, notify the Contractor that the contract has terminated.

Second. The Contractor shall furnish all the gas required for lighting the public lamps now located, or which may hereafter be located, in the district known as the City Proper, south part, comprising Wards 11, 16, 17, and 18; the Roxbury district, comprising Wards 19, 21, and 22, and that part of Ward 20 lying to the west of the centre

* Price reduced to \$1.00 since date of contract.

line of Blue Hill avenue and Hampden street; and the Brighton district, comprising Ward 25 of said City, during such hours as said Superintendent shall direct. All gas furnished to be of not less than twenty-five candle power.

Third. The Contractor shall furnish and put down all new service-pipes required for said public lamps, with a regular fall towards the street mains, and keep in regular repair the portions of all service-pipes below ground, and use for said new pipes and repairs only wrought-iron pipes not less than one inch in diameter, and wrought-iron or malleable-iron couplings, bends, and elbows.

Fourth. The Contractor agrees to set new posts, as furnished by the City, for gas and naphtha lighting, to remove posts not in use, and to reset posts to line and grade of street when so ordered by the Superintendent of Lamps; the work to be done as rapidly as practicable.

Fifth. The Contractor agrees to furnish and apply to said lamps automatic regulator burners, each delivering not less than four cubic feet of gas per hour, said burners to be the property of the City, and shall, when requested by said Superintendent, change any burner to a burner delivering such amount of gas per hour as said Superintendent may direct.

Sixth. The Contractor agrees to furnish a sufficient quantity of alcohol to keep the supply-pipes free from obstruction.

Seventh. The Contractor agrees to connect by service-pipes, as aforesaid, the street lamps now in use in the City Proper, south part, and in the Roxbury district, with its lines of mains, free of expense to the City.

Eighth. The Contractor agrees, in putting down its pipes and mains, not to disturb any asphalt, brick, or stone pavements with concrete base, but shall, when such pipes or mains are carried through streets so paved, perform such work or lay such pipes or mains in such places as shall be assigned by the Superintendent of Streets in his permit.

Ninth. The Contractor agrees that if any portion of the street which it has excavated for the purpose of laying its pipes requires repaving or resurfacing within a period of one year from the time it has been disturbed, it will make such repairs as in the opinion of the Superintendent of Streets are necessary to put the surface of said street in as good condition as it was before the time of said excavation; provided, that in the opinion of said Superintendent such resurfacing has become necessary by reason of said excavation.

Tenth. Such additional pipes as are necessary for the performance of this contract shall be laid by the Contractor promptly in such localities and in such manner as the said City by its proper officers shall permit and approve, and the Contractor shall pay such inspectors appointed by the City as may be, in the opinion of the Superintendent of Streets, necessary to superintend said work; and the public lamps in the City Proper, south district, shall be connected with the pipes and mains of the Contractor on or before July 2, 1893; and said lamps in the Roxbury district shall be so connected on or before September 1, 1893.

Eleventh. The City agrees monthly to pay to the Contractor seventy (70) cents for each thousand cubic feet of gas furnished in the City Proper, south part, and the Roxbury district; and one dollar and twenty-five cents (\$1.25) for each one thousand cubic feet of gas furnished in the Brighton district; also all the reasonable expenses actually incurred for labor and materials in furnishing and putting down the service-pipes and in keeping in good repair the portions of said pipes below ground; also one-half of the cost actually incurred in removing and cleaning the burners once in each year, and changing the size and style of the burners when required so to do by said Superintendent; such new burners to be the property of the City. *Pro rata* deductions from said monthly payments to be made for imperfect service.

Twelfth. In consideration of this contract and of said promises of payments on the part of the City, the Contractor agrees to and with said City to furnish to said City all the gas required by said City for the purpose of lighting its public buildings, parks, squares, and public grounds within said City Proper, south part, and Roxbury district for the sum of seventy (70) cents a thousand cubic feet, and within the Brighton district for one dollar and twenty-five cents (\$1.25) per thousand cubic feet, and when requested by the Mayor of said City it will make proper and sufficient contracts with the various departments of said City for the further carrying out of this agreement.

Thirteenth. In further consideration of this contract and the promises aforesaid, the Contractor agrees to and with said City to furnish all private consumers within said City Proper, south part, and the Roxbury district, gas at a price not exceeding one dollar (\$1.00) per thousand cubic feet, and within the Brighton district to furnish gas to all private consumers at a price not exceeding one dollar and fifty cents (\$1.50) per one thousand cubic feet; all of said gas to be of at least twenty-five candle power. Said prices are not to be increased so long as this contract with the City shall continue in force, and this clause shall be printed upon all bills rendered to said private consumers by the Contractor during the term of this contract; and any court sitting in equity can enforce the specific performance of this clause of this contract on application of either the City, any citizen of Boston, or any private consumer in said districts.

Fourteenth. The Contractor shall pay to the City on the second day of August of each year during the continuance of this contract a sum equivalent to one-half of its net earnings during the year ending on the 30th day of June preceding, as shown on the books of the Contractor, which are to be kept in accordance with law, after paying an annual profit of eight per cent. on the actual money invested in that year in its gas plant, which amount at present is taken to be one million of dollars; provided that said profits shall be reckoned as cumulative from the date hereof.

IN WITNESS WHEREOF, the said Brookline Gas Light Company has caused its corporate seal to be hereto affixed and these presents to be signed in its name and behalf by _____, its president, and _____, its treasurer; and the City of Boston has caused its corporate seal to be hereto affixed and these presents to be signed by _____, its Superintendent of Lamps.

(Signatures.)

It is hereby agreed by and between the parties to the above contract that the time within which the public lamps of the City of Boston shall be connected by the Brookline Gas Light Company be extended until July 1, 1894, it being understood and agreed that the said Company shall pay said City the difference between what said City shall have to pay other companies for supplying gas to any of such lamps unconnected for any of the time between this date and said date and the price at which such gas is to be furnished by said Company under this contract.

(Signatures.)

The following is the form of contract made with the other gas companies:

THE BOSTON GAS LIGHT COMPANY, a corporation duly established under the laws of the Commonwealth of Massachusetts, hereinafter called the Contractor, of the first part, and the City of Boston, hereinafter called the City, of the second part, on this seventeenth day of August, 1893, agree:

First. That this agreement shall take effect on the second day of July current, and shall continue until the second day of July in the year 1896, and shall continue thereafter until a new agreement shall be made by the parties, or the first party, or the Superintendent of Lamps of said City, shall in writing notify the other party that this agreement is terminated.

Second. The gas furnished under this contract shall be of not less than twenty-five candle power, unless it shall be necessary to deliver coal gas, in which case the candle power shall not be less than eighteen.

Third. The Contractor shall furnish all the gas required for lighting the public lamps now located and those which may hereafter be located along the lines of the mains of the Contractor as now laid or hereafter laid in the district known as the City Proper, north part, comprising Wards 6, 7, 8, 9, 10, and 12, during such hours as the Superintendent of Lamps shall direct.

Fourth. The Contractor shall furnish and put down all new service-pipes required for said public lamps, with a regular fall towards the street mains, and keep in good repair the portions of all service-pipes below ground, and use for said new pipes and repairs, only wrought-iron pipes not less than one inch in diameter, and wrought-iron or malleable-iron couplings, bends, and elbows.

Fifth. The Contractor shall set all posts required for gas lighting, remove posts not in use, and reset posts to line and grade of street, when so ordered by the Superintendent of Lamps, said work to be done as rapidly as practicable.

Sixth. The Contractor shall furnish and apply to any new lamps ordered in said district automatic regulator burners, each delivering not less than four cubic feet of gas per hour, said burners to be the property of the City, and shall, when requested by the said Superintendent, change any burner to a burner delivering such amount of gas per hour as the said Superintendent may direct; and when a burner is found on a test, made by one party in the presence of the other, to deliver more than one-tenth of a cubic foot less than four feet of gas per hour, shall change it so that it will deliver at least four cubic feet per hour; and may, at any time when not interfering with the regular burning of the lamp, remove and test any burner.

Seventh. The Contractor shall furnish such quantity of alcohol, not exceeding five gallons per one hundred lamps per year, as may be necessary to keep the pipes clear from obstructions.

Eighth. The City shall pay monthly to the Contractor the price as fixed by the Gas and Electric Light Commissioners for the consumers of the Contractor (which price at the date of this contract is \$1.00) less a discount of ten per cent. (10%) for each thousand cubic feet of gas furnished; but the City shall not at any time pay more for its gas per thousand cubic feet than is paid by the most favored private consumers of the Contractor, or more than ninety cents a thousand cubic feet during the pendency of this contract; the City shall also pay all the reasonable expenses actually incurred for labor and materials in furnishing and putting down said service-pipes, and in keeping in good repair the portions of said pipes below ground, also one-half of the cost actually incurred in furnishing and applying burners to said lamps, in removing and cleaning burners once in each year, and changing the size of the burners to the requirements of the said Superintendent.

Ninth. The City, by said Superintendent, shall take exclusive care of the burners and the portions of the service-pipes above ground; shall light and extinguish said burners punctually according to printed tables to be furnished by said Superintendent, and shall make written returns to the Contractor on Thursday of each week, and on the fifteenth day of each month, of the number of burners lighted on each night, of

the time of beginning to light and beginning to extinguish the same; shall give immediate notice to the Contractor of any obstruction or leakage of gas in the pipes below ground coming to the knowledge of the said Superintendent, and to use a suitable brush and no metallic cleaner to clean the slot of lava tip burners, and shall not permit any employee of the City to open the regulator of any burner for any purpose whatever.

In consideration of this contract, and of the above promises of said City, the Contractor agrees to furnish gas for the lighting of the public buildings, parks, and public grounds in said district, and to make, when requested so to do, contracts with the several city departments having the charge of said buildings, parks, and public grounds, at the same price per thousand cubic feet as that paid for the public lamps.

IN WITNESS WHEREOF, the Boston Gas Light Company, by its officers hereto duly authorized, has signed these presents, and affixed its corporate seal thereto, and the said City of Boston has signed these presents by its said Superintendent of Lamps, on this seventeenth day of August, 1893.

(Signatures.)

HOURS OF BURNING.

The public lamps are burned every night throughout the year — a total of three thousand eight hundred and twenty-eight hours.

The following table shows the time of lighting and extinguishing the gas lamps for the different months of the year :

LIGHT AT			OUT AT			
Jan.	15.	4.45 P.M.	Jan.	16.	6.00 A.M.	
"	22.	5.00 "	"	23.	6.00 "	
Feb.	5.	5.15 "	Feb.	6.	5.45 "	
"	12.	5.30 "	"	13.	5.30 "	31 nights.
						398½ hours.
Feb.	15.	5.30 P.M.	Feb.	16.	5.30 A.M.	
"	26.	5.45 "	"	27.	5.15 "	
Mar.	11.	6.00 "	Mar.	12.	5.00 "	28 nights.
						325½ hours.
Mar.	15.	6 00 P.M.	Mar.	16.	5.00 A.M.	
"	19.	6 00 "	"	20.	4.45 "	
"	26.	6.15 "	"	27.	4.45 "	
Apr.	1.	6.15 "	Apr.	2.	4.30 "	
"	9.	6.30 "	"	10.	4.15 "	31 nights.
						322½ hours.
Apr.	15.	6.30 P.M.	Apr.	16.	4.00 A.M.	
"	23.	6.45 "	"	24.	3.45 "	
May	7.	7.00 "	May	8.	3.15 "	30 nights.
						268 hours.
May	15.	7.00 P.M.	May	16.	3.15 A.M.	
"	21.	7.15 "	"	22.	3.00 "	
June	4.	7.30 "	June	5.	3.00 "	31 nights.
						240½ hours.
June	15.	7.30 P.M.	June	16.	3.00 A.M.	
July	14.	7.30 "	July	15.	3.00 "	30 nights.
						225 hours.

LIGHT AT			OUT AT			
July	15.	7.30 P.M.	.....	July	16.	3.00 A.M.
"	30.	7.15 "	.....	"	31.	3 15 "
Aug.	6.	7.15 "	.....	Aug.	7.	3.30 "
"	13.	7.00 "	.....	"	14.	3.30 "
						31 nights. 243½ hours.
Aug.	15.	7.00 P.M.	.....	Aug.	16.	3.30 A.M.
"	27.	6.30 "	.....	"	28.	4.00 "
Sept.	3.	6.15 "	.....	Sept.	4.	4.00 "
"	10.	6.15 "	.....	"	11.	4.15 "
						31 nights. 286½ hours.
Sept.	15.	6.15 P.M.	.....	Sept.	16.	4.15 A.M.
"	17.	6.00 "	.....	"	18.	4.15 "
"	24.	5.45 "	.....	"	25.	4.30 "
Oct.	1.	5.30 "	.....	Oct.	2.	4.30 "
"	8.	5.30 "	.....	"	9.	4.45 "
						30 nights. 322½ hours.
Oct.	15.	5.15 P.M.	.....	Oct.	16.	4.45 A.M.
"	22.	5.00 "	.....	"	23.	5.00 "
"	29.	4.45 "	.....	"	30.	5.00 "
Nov.	5.	4.45 "	.....	Nov.	6.	5.15 "
"	12.	4.30 "	.....	"	13.	5.30 "
						31 nights. 376½ hours.
Nov.	15.	4.30 P.M.	.....	Nov.	16.	5.30 A.M.
"	25.	4.15 "	.....	"	26.	5.45 "
Dec.	14.	4.15 "	.....	Dec.	15.	5.45 "
						30 nights. 400 hours.
Dec.	15.	4.15 P.M.	.....	Dec.	16.	5.45 A.M.
"	24.	4.30 "	.....	"	25.	6.00 "
Jan.	14.	4.30 "	.....	Jan.	15.	6.00 "
						31 nights. 418½ hours.

Total, 365 nights or 3,828 hours.

GAS-BURNERS.

The public gas lamps, of which there are 7,440 in service, are fitted with an automatic regulator glycerine burner, adopted in 1879, and still giving general satisfaction. They consume four feet of gas each per hour.

NAPHTHA LIGHTING.

There are in use at present 2,676 naphtha lamps. These are lighted by the Rising Sun Street Lighting Company, under contract at twenty dollars and forty-four cents per lamp per year, and are located mostly in the suburban districts where there are no gas mains or other means of lighting. The following is the form of contract:

The Rising Sun Street Lighting Company, a corporation organized under the laws of the State of Maine, having a usual place of business in the Commonwealth of Massachusetts, and the City of Boston, a municipal corporation in said Commonwealth, on this March 18, 1895, agree as follows:

1. Said Company shall have the care, control, and lighting of all naphtha street lanterns used by said City for lighting its streets and

ways, and shall be responsible for all damage occasioned by any neglect or default of said Company; shall within ten days of the day that it shall be notified by the Superintendent of Lamps of said City that any street lantern mounted on a post or bracket is assigned to it, furnish and apply to such lantern one of said Company's naphtha burners with pipe, stop-cock, water trap, and a reservoir capable of holding sufficient naphtha to operate the burner fourteen hours, and shall keep all such lanterns and the burning apparatus thereof so furnished clean and in good condition and repair, except such lanterns as said Company shall be notified by said Superintendent from time to time to discontinue the care of; shall furnish naphtha of the best quality, seventy-four degrees to seventy-six degrees gravity, for use in said lanterns; shall light and extinguish said lanterns according to a time card to be furnished by said Superintendent; and shall so furnish and keep said burners that each shall give at all times when lighted a light equal to that given by an ordinary gas burner burning four feet of fourteen-candle gas per hour; and shall do all said matters and things to the satisfaction of said Superintendent of Lamps.

2. Said Company shall immediately notify said Superintendent of any damage to any post or bracket for the support of any such lantern, and shall report in writing at the office of said Superintendent on Thursday of each week the number of said lanterns lighted on each night of the preceding seven days, and on the fifteenth day of each month the number of said lanterns lighted on each night subsequent to the last report, giving in each of said reports the names of the persons lighting the lanterns and the number lighted by each person.

3. Said City shall forthwith on said Superintendent's being notified of any damage to any post or bracket aforesaid, repair the same or furnish a new one in place thereof; shall, when any lanterns have been destroyed, furnish others in the place thereof; shall, upon the execution of this contract, furnish said Company with fifty lanterns, the same to be used by said Company to replace lanterns removed by said Company to be repaired, said fifty lanterns to be returned to said Superintendent in good condition on the termination of this contract.

4. Said City shall pay to said Company in full compensation for its performance of the agreements aforesaid the sum of twenty dollars and forty-four cents (\$20.44) per year of three thousand eight hundred and twenty eight (3,828) hours for each and every lantern so kept, cared for, and lighted, said payments to be made monthly; provided, that if any lantern is not kept lighted as aforesaid to the satisfaction of said Superintendent during all the hours required by said time card a proportional deduction shall be made from said monthly payments.

5. This contract shall continue in force for one year from the date hereof and thereafter until terminated on three months' notice in writing by either party, subject, however, to the necessary appropriation being made annually therefor, and on such termination said Company may remove its burning apparatus from said lanterns.

ELECTRIC LIGHTING.

The electric lights, 2,434 in number, located in the different sections of the city, are arc lights of what is commercially known as 2,000-candle power, and are supplied by the Boston Electric Light Company, the Charlestown Gas and Electric Company, and the Brookline Gas Light Company. The lamps used are those known as the Brush and the Thomson-Houston lamps. They are cared for by men

employed by the different companies, and as a rule give good service. The following is a copy of the contract made with the Boston Electric Light Company :

THIS AGREEMENT, made and entered into this twentieth day of February, A.D. 1894, by and between THE BOSTON ELECTRIC LIGHT COMPANY of Boston, a corporation duly established under the laws of the Commonwealth of Massachusetts, hereinafter called "the Company," of the first part, and the CITY OF BOSTON, a municipal corporation in the County of Suffolk, Massachusetts, and hereinafter called "the City," of the second part :

WITNESSETH :

First. The Company agrees to furnish for a period of five years from and after this date such number of electric arc lights as may be legally located in the streets, ways, squares, and public places of the city, except in those portions of the city formerly Brighton, Charlestown, or part of Brookline.

Said arc lights to be furnished as follows : for thirteen hundred and fifty lights and any additional lights to the number of fifteen hundred, at the rate of thirty-eight and one-half cents each per night ; for fifteen hundred and any additional lights up to seventeen hundred and fifty, at the rate of thirty-seven and one-half cents each per night ; for seventeen hundred and fifty and any additional lights up to two thousand, at the rate of thirty-six cents each per night ; and for two thousand or over, at the rate of thirty-five cents per light per night ; provided, however, that if two thousand lights are erected by December thirty-first of the present year, the price paid shall be thirty-five cents per light per night for the entire number from February first, eighteen hundred and ninety-four, and if a less number is in use on that date (December 31, 1894), then the price paid for the entire number from February 1, 1894, shall be reduced so that the cost to the City of such lights shall be at the prices fixed for the number next below the number in use December 31, 1894 ; the adjustment to be made in the bills payable December 1, 1894, and January 1, 1895. In ascertaining the number of lights in use on said December 31, 1894, the lights furnished by the Company for the parks and public buildings shall be counted. Said arc lights are to be kept lighted continuously between dusk and dawn, during such hours as the Superintendent of Lamps may direct, the total number of hours per year not to exceed thirty-eight hundred and fifty.

Wherever lamps are connected to underground wires belonging to the City, or any department thereof, the price will be one cent per lamp less per night than otherwise.

The electric current to be furnished for the arc lights is never to be less than nine and six-tenths amperes, and the pressure at each lamp not less than forty-eight volts, being an electrical energy of four hundred and sixty-one watts. If less amperes are used, then the volts shall be enough greater to require four hundred and sixty-one electrical watts per lamp, and giving a nominal candle power of two thousand.

Carbons used must be one-half or seven-sixteenths inch in diameter, of the best quality and style adapted for street lighting, and must burn uniformly and give a clear and steady light. The globes are to be of clear glass, unless otherwise ordered by the Superintendent of Lamps, free from lettering, and all of best quality and proper shape to avoid casting rings and streaks of light and shadow.

All globes are to be thoroughly brushed inside and outside at least three times a week, and washed as frequently as may be considered necessary by the Superintendent of Lamps ; and any globes that may become broken are to be immediately replaced by sound ones.

The present overhead system of construction is to be used, the Company only to connect city posts with such adjacent underground wires as may be hereafter located in the Company's conduits for commercial lights; in which case the City is to prepare the posts so as to allow of the passing of the cable up through them.

Second. The Company further agrees to indemnify and save the City harmless from and against any and all claims and demands for damages, costs, and expenses for or on account of injuries to persons or property arising from imperfect construction and maintenance, or from any use of its wires and apparatus, and from any and all claims for damage by reason of any infringement of patent rights in the use of lamps, lights, wires, poles, machinery, and appliances connected therewith.

Third. And further, the said Company agrees that should any of the lamps fail to burn uniformly and give a clear and steady light, to the satisfaction of the Superintendent of Lamps, the Company will at its own expense replace them with others satisfactory to said Superintendent.

Fourth. The Company agrees at its own expense to maintain an efficient system of patrol for inspecting the lamps during the hours which they are in use, so that any lamp which fails to burn properly shall be promptly reported and put in order, or immediately replaced.

For this inspection a sufficient number of men shall be employed to enable each lamp to be examined at least three times during each night.

Fifth. The City agrees that if said Company shall well and faithfully perform the promises and conditions of this contract in all its parts, first satisfying the said City that no proceedings either in law or equity have been begun against said City on account of any infringement of patent rights, or the wrongful use or injury by said electric lamps, lights, wires, poles, machinery, and appliances, or any of them, then the City will pay the Company monthly during the period of this contract such sum as the total number of lights burning at the price named may amount to. In case any such suit or suits against said City shall have been begun, or notice of a claim for damages shall have been given, the City shall pay any amount due under this contract, notwithstanding such suit or notice, if the Company shall furnish the City with a bond of indemnity with satisfactory sureties. Said sum shall be in full payment and discharge for any and all expenses attending the care, maintenance, and use of such lights and apparatus, and it is hereby understood and agreed that if through accident or other cause the said lamps, or any of them, shall fail to be lighted and kept so lighted, as stated above, any night or nights during the period of this contract, then for each lamp that shall fail to be lighted there shall be deducted from the sum to be paid by said City an amount for each light not so lighted equal to the rate to be paid for lighting the same under this contract as provided. In case the actual current supplied to any of the lamps shall be less than called for herein, payment shall only be made for the actual current as ascertained. The amount to be based *pro rata* on the amount which would be paid were the current equal to that required hereby, unless said deficiencies should amount to over twenty per cent. of the current called for, in which case no payment shall be made, the lights being considered useless.

And further, this is not to be construed to imply a right to continue to furnish lights under this contract at reduced currents.

For the purpose of making tests of currents and of examining the lamps, wires, poles, apparatus, and appliances with the view of learning whether the Company is complying with the terms of this agreement, it is further understood and agreed that at all proper times the City, by such person or persons as the Superintendent of Lamps may authorize, shall have access to all said lamps, wires, poles, apparatus, and appli-

ances in the City, and also to the plants of the Company, and shall have the further privilege at any time and at all times of attaching in any of the circuits, at such point or points as they may select, one or more ammeters or other measuring instruments, and to maintain the same during its pleasure, and have the further right to remove at any time one or more lamps for the purpose of testing the candle power of said lamp or lamps.

This contract shall continue in force for five years from the date hereof, subject to appropriations; and shall continue thereafter until a new agreement is made by the parties, or until the expiration of six months after notice in writing by either party of its election to terminate the contract.

In consideration of this contract and of the above promises of said City, the Company agrees to furnish electric arc lights for the lighting of the public buildings, parks, and public grounds, when so requested to do by the departments having charge of said parks, buildings, and public grounds, at the same rates, and on the same conditions, provided for in this contract; this clause also to apply to the lights mentioned in contract for the Fens, dated October 7, 1893.

IN WITNESS WHEREOF, said Company, by its proper officers, and said City, by its Superintendent of Lamps, duly authorized, have hereunto set their hands and seals.

ARC LAMPS.

There were in use in this city on

December 15, 1882	114 electric lights.
December 15, 1883	381 electric lights.
December 15, 1884	401 electric lights.
December 15, 1885	446 electric lights.
December 15, 1886	501 electric lights.
December 15, 1887	577 electric lights.
December 15, 1888	704 electric lights.
December 15, 1889	798 electric lights.
December 15, 1890	1,125 electric lights.
January 15, 1892	1,447 electric lights.
January 15, 1893	1,547 electric lights.
January 15, 1894	1,580 electric lights.
January 15, 1895	2,358 electric lights.
January 15, 1896	2,434 electric lights.

The locations of the 91 new electric lights which have been erected during the past year are as follows:

City Proper	21
South Boston	4
Roxbury	7
Charlestown	13
East Boston	3
Dorchester	8
Brighton	14
West Roxbury	21

There have been 15 electric lights discontinued, as follows :

City Proper	1
South Boston	3
Roxbury	1
East Boston	1
Charlestown	8
Brighton	1

Thus leaving a net increase of 76.

The above lights are furnished by the following-named companies :

Boston Electric Light Co.	2,125
Brookline Gas Light Co.	134
Charlestown Gas and Electric Co.	175

Out of a total number of 12,730 public street-lamps, the number of electric lights, as has been stated, is 2,434.

INCANDESCENT LAMPS.

There are in use 28 incandescent lamps of 32-candle power, located as follows : under bridges on the Back Bay Fens, 7 ; on Castle Island bridge, 7 ; and in the tunnel under the B. & A. R.R. at Allston, 14.

UNDERGROUND CABLE.

There is laid on Boston Common 14,970 feet of cable in wrought-iron pipes or ducts, and 48 lamps are connected therewith. In a similar manner on the parks and parkways, as follows : Commonwealth avenue, 15,676 feet, 39 lamps ; Back Bay Fens, 17,361 feet, 45 lamps ; River Way and Leverett Park, 20,168 feet, 53 lamps ; Jamaica Way, 14,365 feet, 34 lamps ; Franklin Park, 13,865 feet, 35 lamps ; and Marine Park, 2,683 feet, 4 lamps — a total of 99,088 feet of cable and 258 lamps.

All the lamp-posts on the Common and on the parks and parkways, together with the underground cable therefor, are city property ; in other words, the distributing plant on the Common and public parks belongs to the City of Boston.

During the year 1894 the Boston Electric Light Company began the work of laying their wires in underground conduits in the City Proper, and since that time 202 lamps have

been connected with the underground system in that district. The remaining lamps in the district will be connected with the conduits as fast as the work of laying the underground system progresses.

The comparative cost of maintenance between the electric lamps and the gas and naphtha lamps is shown as follows :

1894.

Paid for gas and naphtha lamps, lighting and care of same	\$282,078 69
Paid for electric lights	243,670 61

1895.

Paid for gas and naphtha lamps, lighting and care of same	\$250,625 41
Paid for electric lights	302,234 70

The following table shows the number of lamps reported as not being lighted the required length of time :

	Electric.	Gas.	Naphtha.
January	209	246	995
February	143	673	1,014
March	44	292	255
April	47	69	181
May	78	32	166
June	76	17	60
July	37	10	74
August	52	12	1
September	82	21	144
October	132	33	422
November	245	34	375
December	83	104	660
	<hr/>	<hr/>	<hr/>
	1,228	1,543	4,347
Total		7,118	

The public lamps are distributed in the various sections of the city as follows :

1895.	Gas Lamps.	Electric Arc Lights.	Naphtha Lamps.	Incandescent Lights.	Total.
City Proper	1,616	881	99	.....	2,596
Roxbury	1,497	422	.....	7	1,926
Dorchester	1,572	238	757	.....	2,562
West Roxbury	987	183	1,117	.....	2,287
South Boston	464	260	329	7	1,060
Charlestown	517	175	.....	.....	692
East Boston	429	146	151	.....	726
Brighton	510	134	223	14	881
Totals	7,592	2,434	2,676	28	12,730

The following table shows the number of lamps of all kinds in use on the 15th day of January, 1896, as compared with the 15th day of January, 1895 :

	1894.	1895.	Increase or De- crease in 1895.
Gas	7,440	7,592	+152
Large gas lamps	1	0	—1
Naphtha	2,709	2,676	—33
Electric	2,358	2,434	+76
Incandescent	28	28	0
	<u>12,536</u>	<u>12,730</u>	<u>+194</u>

The changes during the past year have been as follows :

Gas Lamps.

	Increase.	Decrease.
City Proper	—	4
Roxbury	41	—
West Roxbury	—	11
Dorchester	153	—
South Boston	1	—
East Boston	—	10
Charlestown	—	3
Brighton	—	15
Net increase	152	

Naphtha Lamps.

City Proper	1	—
Dorchester	—	32
West Roxbury	—	5
South Boston	—	10

	Increase.	Decrease.
East Boston	4	—
Brighton	9	—
Net decrease		33

Electric Lights.

City Proper	20	—
Roxbury	6	—
Dorchester	8	—
West Roxbury	21	—
South Boston	1	—
East Boston	2	—
Charlestown	5	—
Brighton	13	—
Increase	76	

Large Gas Lamps.

Roxbury	—	1
Decrease		1
Aggregate	228	34
Total net increase		194

The number of gas lamps put up during the past year was 209.

The number of gas lamps replaced was 27.

The number of electric lights that have been erected is 91.

The number of naphtha lamps put up was 100.

Also 96 naphtha lamps have been changed to gas, in accordance with an understanding with the several gas companies that wherever they extend their mains the public lamps will be connected thereto.

During the year 17 fire-alarm box lamps have been erected, and this department has assumed the care and maintenance of the same.

Twenty-seven electric posts, etc., have been damaged or broken in part or whole, and have been repaired, or new posts erected as the case called for.

The total number of new lamps of all kinds set up and replaced during the year was 444.

LAMPS DISCONTINUED.

Gas	197
Naphtha	37
Electric	15
Large gas	1
Total	250

LAMP DEPARTMENT.

17

Posts reset to line and grade	271
Unused and broken posts removed	403
New posts set	390
Brackets removed	35
" repaired	51
New brackets put up	32

LANTERNS.

The lanterns used by the department are made of 14-oz. copper, tinned on both sides, and are of the most substantial and durable character. All used for burning gas are arranged so that the name and number of the street may be placed therein.

BROKEN LANTERNS.

The number of lanterns which were reported by the police as broken the past year was	376
Reported by the lamplighters	7,371
Taken out by repairers, without report	50
 Total	 <u>7,797</u>

In addition to the lanterns repaired during the year there have been 5,122 lanterns brought to the shop and repainted.

The lanterns are repaired by the department, at its workshop on Albany street, where there are seven men permanently employed.

All the cost of men employed at the shop, repainting lanterns, posts, and brackets, carting of posts and lanterns, stock used in repairing, horse-keeping, etc., are included in the item in the schedule of expenditures for repairing lanterns.

EMPLOYEES.

The number of men employed is 116, viz. :

One superintendent, 1 clerk, 1 assistant clerk, 1 messenger, 105 lighters, and 7 men in the repair-shop.

The men (105 in number) who light and care for the gas lamps are distributed as follows :

City Proper	25 men
Roxbury	20 "
Dorchester	21 "
South Boston	7 "
East Boston	7 "
Charlestown	6 "
West Roxbury	13 "
Brighton	6 "

They are paid at the rate of \$2 per day.

The gas lamps are lighted by the use of the Bartlett patent torch, the city having purchased the right to manufacture and use the same.

LAMPLIGHTERS' DUTIES.

The lamplighters are required to light and extinguish the lamps in their charge promptly at the time designated on the time card, one hour only being allowed for each; to keep the lanterns clean and in order at all times; to report at this office every defect in either lanterns or fixtures at or before 9 A.M.; to keep the stop-cocks clean and properly oiled, the burners in order, and the pipes clear from water or frost. Gas-leaks are to be reported at this office and at the office of the gas company when discovered, and a written statement is also required every Thursday morning of the work performed the previous week. Any neglect in the care of lanterns or fixtures is considered sufficient cause for immediate dismissal.

All men employed to light the lamps are furnished with the necessary ladders, torches, hooks, etc., by the city.

FINANCIAL STATEMENT.

Appropriation for the financial year ending			
January 31, 1896	.	.	\$582,500 00
Total amount expended	.	.	582,418 66
Balance			<hr/> \$81 34

INVENTORY OF PROPERTY AND MATERIALS ON HAND JANUARY 31, 1896.

6 horses.	6,600 lbs. of hay.
10 sets of single harnesses.	350 lbs. of straw.
2 sets of double harnesses.	75 bushels of oats.
4 single wagons.	50 feet of hose.
2 wagons, double or single.	4 bbls. horse feed.
3 pungs, single.	5 horse nets.
1 pung, double.	1 hot-water heater.
2 top buggies.	4 tons of coal.
1 open buggy.	Furniture in office at shop.
8 robes.	1 large turning-machine.
1 carryall.	1 large burring-machine.
2 sleighs.	1 small burring-machine.
16 blankets.	1 wiring-machine.
Necessary equipment for	1 rolling-machine.
washing wagons and	1 pair rotary shears.
cleaning horses and har-	2 pairs bench shears.
nesses.	1 double seamer.

1 groover.
 1 squaring shears.
 1 tin-folder.
 1 lantern form.
 1 vise.
 1 grindstone.
 2 fire-pots.
 1 blow-horn stake.
 6 soldering-coppers.
 1 hollow mandrel-stake.
 1 beak-horn stake.
 1 double seaming-stake with
 four heads.
 1 square stake.
 1 lot hand-tools.
 1 crane and tackle.
 1 bolt-cutter.
 1 forge.
 1 sheet heavy copper.
 287 lbs. 14-oz. copper.
 175 lbs. solder.
 7 lbs. brass wire.
 17 lbs. copper wire.
 9 lbs. rosin.
 294 copper cross-bars.
 75 ventilators for lanterns.
 15 lbs. copper rivets.
 1 sheet galvanized iron.
 14 bbls. black paint.
 50 lbs. white lead.
 40 pounds putty.
 7 pounds lampblack.
 2 gals. raw oil.
 4 gals. spirits.
 1 box blue.
 2 gals. japan.
 4 reams sand-paper.
 2 dust-brushes.
 4 dusters.
 300 stop-cocks.
 1 paint-mill.
 3 stoves.
 4 corn brooms.
 2 dozen small brushes.
 1 dozen Badger brushes.
 25 number frames.
 6 dozen oil faucets.
 3 boxes old burner bells.

Lot of bolts, screws, etc.
 6 iron shovels.
 3 ice-cutters.
 28 gross lava tips.
 49 torch-handles.
 14 putting-out hooks.
 122 torches.
 100 brass nozzles.
 16 dozen burner brushes.
 100 burner pipes.
 1 lot old burner pipes.
 64 lbs. glycerine.
 1,500 gas burners.
 4 dozen pairs gas pliers.
 1 dozen Stilson wrenches.
 1 dozen hammers.
 1 dozen small oil cans.
 4 boxes 10 × 12 glass.
 87 boxes 12 × 14 glass.
 8 boxes 12 × 15 glass.
 545 naphtha and oil lanterns.
 819 gas lanterns.
 25 sanitary lanterns.
 29 cross-heads.
 3 (common) posts.
 15 boulevard lantern-heads.
 109 iron posts.
 41 bridge posts.
 38 posts for stone walk.
 1,850 post-heads.
 14 mast-arms.
 21 fifteen-foot extensions.
 109 iron brackets.
 50 Allen extensions and hoods.
 14 Allen extensions.
 22 National posts and hoods.
 24 insulated poles and hoods.
 1 New York pole.
 5 double ladders.
 22 ladders.
 3 long ladders.
 1 pair scales.
 2 boxes rubber insulators.
 11 cages for posts.
 Property and tools in hands
 of lamplighters, and all
 plans of routes, maps,
 etc.

Annual Cost of Lighting Present Number of Electric Lights, as per Contract.

Location.	Electric Light Companies.	Number of Lights, Jan. 16, 1896.	Number of nights.	Rate per Lamp per night.	Rate per Lamp per year.	Total cost per year.
City Proper.....	Boston Electric Light Company	794	365	\$0 35	\$127 75	\$101,433 50
" Parks and Com- mon.....	Boston Electric Light Company	87	365	34	124 10	10,796 70
Roxbury	Boston Electric Light Company	327	365	35	127 75	41,774 25
" Parks.....	Boston Electric Light Company	95	365	34	124 10	11,789 50
Dorchester.....	Boston Electric Light Company	233	365	35	127 75	29,765 75
" Parks.....	Boston Electric Light Company	—	365	34	124 10	
South Boston	Boston Electric Light Company	256	365	35	127 75	32,704 00
" Parks.....	Boston Electric Light Company	4	365	34	124 10	496 40
East Boston.....	Boston Electric Light Company	146	365	35	127 75	18,651 50
Jamaica Plain }	Boston Electric Light Company	111	365	35	127 75	14,180 25
West Roxbury }	Boston Electric Light Company	72	365	34	124 10	8,935 20
West Roxbury Parks	Charlestown Gas and Electric Company.....	175	365	35	127 75	22,356 25
Charlestown	Charlestown Gas and Electric Company.....	—	365	34	124 10	
" Parks	Brookline Gas Light Company	134	365	35	127 75	17,118 50
Brighton	Brookline Gas Light Company	—	365	34	124 10	
" Parks.....						
Totals.....		2,434				\$310,001 80

Incandescent Lamps.

Location.	Electric Light Companies.	Number of Lights, Jan. 15, 1896.	Candle power.	Number of nights.	Rate per month.	Rate per year.	Total cost per year.
Roxbury Parks	Boston Electric Light Company . .	7	32	365	\$2 50	\$30 00	\$210 00
South Boston, Castle Island . .	Boston Electric Light Company . .	7	32	365	2 50	30 00	210 00
Brighton, Allston Subway . .	Brookline Gas Light Company . . .	14	32	365	3 00	36 00	504 00
Totals . . . . .	. . . . .	28	32	365			\$924 00

